REGULATIONS

FOR THE

EQUIPMENT OF THE ARMY (INDIA)

(PROVISIONAL)

PART I

1933

By Authority



Government of India, Army Department.

DELHI: MANAGER OF PUBLICATIONS
1933

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Register of corrections.

List No. and date.	Initials of person by whom corrected.	List No. and date.	Initials of person by whom corrected

PREFACE.

This edition supersedes that issued under I. A. O. No. 527-V of 1927 and includes all corrections up to 31st January, 1933.

2 Officers are expected to interpret these regulations reasonably and intelligently in the interests of the service. They are responsible that they are observed and that local instructions and standing orders are framed in accordance with their spirit and intention.

3. No attempt has been made to prescribe for necessary and self-evident exceptions, nor for such matters of detail as should be provided for by local authorities.

4 The scales of equipment contained in these regulations are applicable to units of the regular forces only, unless orders to the contrary appear therein

By order of the Government of India.

G. R. F. TOTTENHAM,
Secretary to the Government of India,
Army Department.

NEW DELHI,
The 11th February, 1933.

DEFINITIONS.

The following terms used in these regulations will have the signification shewn .—

Assistant Director of Ordnance Services.—An officer of the directing staff of the I. A. O C. posted to a command for duty as adviser to the G. O. C.-in-Chief of a command on all matters affecting the ordnance services.

Chief Civil Master Armourer.—The senior representative of the I. S. A. in the area to which he is appointed.

Chief Ordnance Officer —The senior officer of the I. A. O. C. at an arsenal.

Deputy Assistant Director of Ordnance Services.—An officer of the directing staff of the I. A. O. C. posted to a district for duty as adviser to the District Commander on all matters connected with the ordnance services.

Direct accountant.—The officer incharge of any unit or formation who receives and holds Army equipment and maintains a separate ledger account or inventory list of the same. Os. C. detachments who account for stores through a parent unit are not direct accountants.

General Officer Commanding-in-Chief.—The general officer charged with a command or independent district.

Mobilization equipment.—All items of ordnance stores which are held by or for the unit to complete to approved war scale.

Ordnance Officer —The senior officer at an ordnance depot.

Ordnance Mechanical Engineer.—An officer of the mechanical engineering branch of the R. A. O. C. who is charged with the inspection and repair of gun carriages, vehicles and other materials in an area.

Ordnance Stores.—Stores of all description supplied by the I. A. O. C. including guns, machine guns, small arms, etc., and materials for repair and preservation allowed by these regulations but excluding clothing.

Personal equipment.—Arms and accoutrements which are allowed for the personal use of a soldier.

Station stores.—Stores sanctioned by scale for station use.

Superior Commander.—The G. O. C.-in-C. of a command, the officer commanding a District, Independent Brigade Area, or Brigade.

Unit Commander.—The officer commanding any unit.

Unit.—A body of troops under a separate commanding officer who is a direct accountant.

NOTES.

Provision.—Is the term applied to the system of replenishing stocks in Ordnance charge. Once a year each store is calculated by Ordnance establishments reporting to Provision Section, Army Headquarters, the stock in hand at a given date, other known assets, liabilities and the issues made during the previous twelve months. The quantity to be demanded to replenish Ordnance stocks is then worked out generally on the basis of the average actual normal issues made during the previous three years and other important factors affecting the consumption of stores After the stores have been demanded, it takes from 10 to 18 months in peace time, on the average, before they are delivered from Ordnance Factories, the Trade, or Home etc , owing to period required for budgetting, manufacture, transit and inspection.

It is realised that demands must fluctuate to a certain extent for various reasons but in view of the above it is incumbent on Commanding Officers to ensure that their demands are regularly submitted and kept as consistent as possible, otherwise heavy fluctuations in demands create shortages in stock and the unit which submits regular demands is penalised by the unit which submits demands erratically. Such fluctuations cannot easily be rectified owing to the time required to obtain further stocks.

Factories —The following Ordnance Factories at the undermentioned stations manufacture and supply the stores shown against each :—

Ammunition Factory at Kirkee.—Small arms ammunition and filling of all natures of shell and fuzes, and miscellaneous pyrotechnical stores.

Cordite Factory at Arunankadu (Nilgiris).—Cordite, gun cotton, cannon cartridges and cordite charges for field guns and howitzers.

Gun and Shell Factory at Cossipore.—Guns, shell, fuzes, primers and a considerable number of miscellaneous items.

Gun Carriage Factory at Jubbulpore.—Gun carriages and vehicles together with a large number of miscellaneous items.

Harness and Saddlery Factory at Cawnpore.—Leather, saddlery and connected items, including chain work, canvas articles, etc.

Metal and Steel Factory at Ishapore.—Steel and non-ferrous castings and forgings, Q. F. cartridges cases and miscellaneous steel and non-ferrous components and articles.

Rifle Factory at Ishapore.—Machine guns, rifles, other small arms and their components.

Clothing Factory at Shahjahanpore.—Army clothing and badges, etc., and repairs to colours.

List of Abbreviations.

A. F.	Army Form.
A. D. O. S. (P)	Assistant Director of Ordnance Stores (Provision).
A. D. O. S.	Assistant Director of Ordnance Services.
A. Hqrs.	Army Headquarters.
A. F. (I)	Auxiliary Force (India).
A. I. R. O.	Army in India Reserve of Officers
C. C. M. A.	Chief Civil Master Armourer.
C. I.	Chemical Inspector
C. I. S. C.	Chief Inspector of Stores and Clothing.
C. M. A.	*Controller of Military Accounts.*
C. O. O.	Chief Ordnance Officer.
D. A. D. O. S.	Deputy Assistant Director of Ordnance Services.
D. of A.	Director of Artillery.
D. O. S.	Director of Ordnance Service.
E.-in-C.	Engineer-in Chief (India).
E. R's	Equipment Regulations.
G. O. C.	General Officer Commanding
G. O. C.-in-C.	General Officer Commanding-in-Chief.
G. of I.	Government of India.
I. A. F.	India Army Form.
I. A. O. C.	Indian Army Ordnance Corps
I. A. S. C.	Indian Army Service Corps
I. *of* G	Inspector of Guns and Rifles.
I. S. A.	Inspector of Small Arms.
I. G. C. & V.	Inspector of Gun Carriages and Vehicles.
I. L. C.	India List of Changes in War Materiels
I. M. D.	Indian Medical Department
I. of A.	Inspector of Ammunition.
I. O. O.	Inspecting Ordnance Officer.
I. T. F.	Indian Territorial Force.
K. R.	King's Regulations.
M. E. S.	Military Engineer Services.
M. G. O.	Master General of the Ordnance in India.
N. I. V.	Not in Vocabulary.
O. M. E.	Ordnance Mechanical Engineer.
O. C.	Officer Commanding.
O. O.	Ordnance Officer.
Q. M. G.	Quartermaster General in India.
P. V. S.	Priced Vocabulary of Stores.
R. A.	Royal Artillery.
R. A. F.	Royal Air Force.
R. A. I.	Regulations for the Army in India.
R. A. O. S.	Regulations for Army Ordnance Services.
R. I. M.	Royal Indian Marine.
S. A. A.	*Small Arms Ammunition.*
V. O. S. (I)	Vocabulary of Ordnance Stores (India).
W. E. T.	War Equipment Table.

Key to paragraphs of 1927 edition.

1927.	1933.	1927.	1933.	1927.	1933.
1	1	22	44	40	17
2	2		45	41	32
3	2	23	47	42	118
4	3	24	53		119
5	4	27	179		120
6	16	27-A	111	43	193
7	5	28	15	44	92
	182	29	54	45	93
8	14	30	46	46	94
9	6	31	16	47	116
	18	32	59	48	70
	49		112	49	66
10	7		197	52	84
11	8	33	57	53	85
	9		58	54	Omitted.
12	10		184	55	24
13	11		185	56	23
15	12	34	183	56-A	121
16	42		186	57	73
17	Omitted		187		74
18	Omitted.		188		75
19	43		189	58	76
20	33		190	59	77
	48	34-A	191	60	78
	50	35	55	62	79
	51	36	56	63	80
21	52	38	48	64	81
	13	39	178	65	22

Key to paragraphs of 1927 edition.

1927.	1933.	1927.	1933.	1927.	1933.
1	1	22	44	40	17
2	2		45	41	32
3	2	23	47	42	118
4	3	24	53		119
5	4	27	179		120
6	16	27-A	111	43	103
7	5	28	15	44	92
	182	29	54	45	93
8	14	30	46	46	94
9	6	31	16	47	116
	18	32	59	48	70
	49		112	49	66
10	7		197	52	84
11	8	33	57	53	85
	9		58	54	Omitted.
12	10		184	55	24
13	11		185	56	23
15	12	34	183	56-A	121
16	42		186	57	73
17	*Omitted.*		187		74
18	Omitted.		188		75
19	43		189	58	76
20	33		190	59	77
	48	34-A	191	60	78
	50	35	55	62	79
	51	36	56	63	80
21	52	38	48	64	81
	13	39	178	65	22

Key to paragraphs of 1927 edition—*contd.*

1927.	1933.	1927.	1933.	1927	1933
66	122	101	141	116	148
67	61	102	138	117	153
68	62		141	118	Omitted
69	63	102-A	37	119	114
70	64	102-B	35	120	235
71	65		37	121	138
72	66		113	122	159
73	67	104	168	123	156
73-A	157		170	124	147
74	68	105	169	125	149
76	86	106	19		150
	87	106-A	162		151
	88	106-B	171		152
	89	106-C	172	126	155
77	69	107	164	127	249
78	229		165	127-A	34
	230		166		52
	231		167	128	196
	232	108	194	129	142
	233	108-A	173	130	90
	234		174	131	158
79	95		175	131-A	158
80	96		176	132	163
81	123	109	154	133	Omitted
82	97	110	144	134	160
83	98	111	145		161
85	375	112	146	135	91
93	275	113	113	136	98
95	276	114	29	137	100
101	140	115	142	138	99

Key to paragraphs of 1927 edition—*contd.*

1927.	1933	1927.	1933.	1927.	1933.
139	101	157	127	177	274
140	102	158	217	178	134
141	103	159	37	180	243
142	104	159-A	199	181	255
143	33	160	260	182	269
	105		261	183	247
144	31	161	262	184	248
	106	162	37		365
145	107	163	263	190	Omitted.
	181		264	191	Omitted.
	195	164	133	192	349
146	108		134	193	Omitted.
	109	165	242	196	Omitted.
	110	166	132	197	Omitted.
147	179	167	222	201	201
	180		263		202
148	115	168	222	202	200
149	20	170	241	203	211
150	21	171	271		212
	25		272	203-A	214
151	26	172	251	204	210
152	285	173	252	205	215
	286		253	206	216
153	135	174	236	207	209
154	136		237	208	213
155	Omitted		238	209	202
156	177		239	210	202
157	124	175	240	211	204
	125	176	323	212	207
	126	177	273	213	208

Key to paragraphs of 1927 edition—*contd.*

1927.	1933.	1927.	1933.	1927.	1933.
214	205	242	37	265	321
215	203	243	37	266	322
216	206	244	37	267	320
217	218	245	37	268	27
218	279	246	38	269	318
219	280	246-A	37		324
220	282	247	300	270	325
221	281	249	301	271	326
222	296	250	302	272	327
222-A	298		303	273	328
222-B	299		304	274	336
222-C	297		305		337
223	292		306		338
	293	250-A	307	275	339
	294	251	308	276	334
	295	252	Omitted.		335
224	287	254	310	276-A	333
225	284		311	277	Omitted.
227	282	255	312	278	350
228	283	256	309		351
229	82	257	98	279	352
230	286	257-A	Omitted.	280	128
231	289	258	313	281	357
232	290	259	314	282	245
236	201	260	316	283	267
237	117	261	315	284	268
238	37	262	317	285	129
239	198		318	286	358
240	38	263	314	287	353
241	38	264	319	288	354

Key to paragraphs of 1927 edition—*concld.*

1927.	1933.	1927.	1933	1927	1933.
289	355	311	266	328-A	367
290	348	312	256		368
291	244	313	347	329	369
291-A	Omitted.	315	37	330	367
292	30	315-A & Appx. 25-A	Omitted.		370
	31	316	363	330-A	Omitted
	60	317	130	331	373
	250	318	364	332	374
293	249	318-A	257	333	Appx. 42
294	246	319	37	334	Omitted
295	37	320	329	335	376
296	39		330	336	219
297	37		331		220
299	340		332	337	221
300	254	320-A	192	340	223
301	341	321	277		224
	342	322	131	341	223
302	361	322-A	258		224
302-A	345	322-B	137	342	225
303	343	322-C	259	343	226
	344	323	Omitted.	344	227
304	265	324	Omitted.	345	228
305	346	325	368	346	377
306	345	326	367	347	Omitted.
307	359		368	349 to 388 (except 376-B)	378 onwards.
308	360		369	376-B	278
309	Omitted.	327	372		
310	362	328	368		

NOTE.—The Appendices of this edition bear the same number, to those in the 1927 edition, except that Appendices 8 and 25-A have been omitted and Appendix 12 A has been included as Appendix 8.

REGULATIONS FOR THE EQUIPMENT OF THE ARMY IN INDIA.

PART I.

1933.

CHAPTER I.—DUTIES OF OFFICERS.

SECTION I.—GENERAL.

1. The following regulations for the equipment of units of the Army in India are promulgated for the information and guidance of officers concerned.

2. In describing stores in equipment ledgers, indents and correspondence, the designations and sections of the V. O. S (I) will be followed. Articles not included in the V. O S (I) will be headed " N. I. V." and grouped under the several vocabulary sections to which, from the nature of the articles or their intended use, they would properly apply. They will also be described by drawings or otherwise where requisite, in order to avoid the necessity of making further reference.

SECTION II.—DUTIES OF SUPERIOR COMMANDERS.

3. Superior Commanders are responsible that equipment and stores in charge of units in their areas are complete serviceable, and in accordance with the latest pattern and scale and that no deviation from the authorised pattern, either for equipment, or any other purpose, is allowed without the previous sanction of A Hqrs They will take such action as may be necessary to prevent waste of stores and materials

4. Superior Commanders are responsible for the custody and maintenance of the mobilization equipment which is held in their commands, both in regimental and ordnance charge, and should take such steps as will ensure that, where such mobilization equipment is incomplete, the officer in immediate charge shall be able to furnish a satisfactory and explicit reason.

SECTION III.—DUTIES OF UNIT COMMANDERS.

5. Unit Commanders will inspect the regimental magazine and small arms ammunition stores at least once a month

r

6. Unit Commanders are responsible to Superior Commanders that their arms, stores and equipment including mobilization equipment are in a serviceable condition, in working order, complete in all details, in the authorised proportions up to sanctioned establishments (except A. & T. F. units, who hold only to actual strength), and that stock is taken annually, *vide* para. 114-A. They will make frequent inspections and when any defects or discrepancies are discovered will at once take steps to have them remedied. All surplus stores will be at once brought on charge and all discrepancies investigated and adjusted. They will ensure that stores are used only for the purpose for which provided and that waste from any preventable cause is avoided.

7. Officers who are likely to require renewal or exchange of any considerable part of their equipments, will give early intimation of the same to the I. A. O. C.

8. In the case of alterations of patterns, or of changes in the proportions in which articles forming their equipments are issued, they are responsible to Superior Commanders that necessary action is taken. A manuscript record as indicated in Appendix 54 will be kept up by Os. C., units to show the action taken on I. L. Cs , etc. This record will be inspected by D. A. Ds. O. S.

9. Alterations to equipment involving any departure from the sealed patterns, either for experiment or any other purposes, without the orders of Superior Commanders, are strictly forbidden.

10. Unit Commanders will, from time to time as required, furnish the C. O. O. with such information as he may call for regarding the state of the equipment on their charge.

11. [illegible]
board [illegible]
ledger [illegible]
station stores ledger without the exchange of vouchers.

Both the incoming and outgoing officers or their representatives will be present and sign the proceedings which will be certified in the form shown in paragraph 12. For the procedure to be followed in cases where an officer taking over command or an officer of a relieving unit does not arrive till *after the departure of the outgoing officer, or unit, or of a unit* moving in relief, see paragraph 844, Regulations for the Army in India.

12. The certificate to be rendered by officers handing and taking over stores, on change of command, is as follows :—

"Certificate."

We certify, in accordance with paragraph 11 of the Equipment Regulations (India), Part I, that on the transfer of the equipment of the......................(*a*) on the...............(*b*) the whole has been inspected by us and has been found to be properly appropriated, in good condition, and to agree in the quantities and numbers of the

several articles actually in possession, with those shown in the equipment ledger, except the items shown on the accompanying statement (*c*).

President.————————————

Members. { ————————————
————————————

————————————Officer giving over charge.

————————————Officer taking over charge.

(*a*) Here insert the unit.

(*b*) Here insert the date.

(*c*) This statement should include the articles in possession of N. C. O's. and men temporarily detached.

CHAPTER II.—ARMS, EQUIPMENT AND STORES.

SECTION I.—EQUIPMENT—GENERAL.

13. The authority for demand is the regulations under which the stores are held on charge. The fact that disposal orders have been asked for is by itself, no authority.

14. All questions connected with the supply of equipment will be addressed to the C. O. O., or O. O., who will, if necessary, take the orders of the Superior Commander on the subject.

15. To obviate the necessity for intermediate demands, Unit Commanders will cause an inspection of equipment to be made before the quarterly indents are prepared. To meet immediate and unforeseen requirements, certain spare articles of equipment are supplied as detailed in the E. Rs. of the respective units.

16. When stores indented for are not available a report on I. A. F. Z-2017, showing the stores in respect of which compliance is not at the moment possible, will be sent by the C. O. O. or O. O., to the O. C. unit. If the demand for those stores is outstanding for an unreasonable time, and it is considered necessary to hasten the supply, the O. C. unit will address the C. O. O. on the subject at the same time mentioning the serial number of the indent, dates of submission, stores concerned and the No. of I. A. F. Z-2017 received from the supplying officer. If the O. C. considers that the efficiency of the unit is likely to be affected by the delay in supply, this fact should also be specifically mentioned. If the C. O. O., or O. O. (after approaching the A. D. O. S. (P), A. Hqrs., if necessary) is unable to supply the stores within a reasonable time, the O. C. unit will be informed of the position. If the O. C. considers it necessary to represent the matter under para. 815-A., R. A. I., a copy of the C. O. O.'s or O. O.'s explanation will be forwarded with the representation to the Superior Commander.

17. Stores for maintaining equipments or for special service are not to be appropriated to other purposes without special authority obtained through the C. O. O.

18. Stores which have been longest on charge or part worn articles which are serviceable will be issued first by arsenals and must be accepted by units. Part worn articles which, on receipt, are considered to be unduly deteriorated will be set aside and a report made to the Superior Commander. Should a dispute between the arsenal and the unit arise, the matter will be settled by a board of officers, one of whom will be the D. A. D. O. S. of the area. The board's decision will be final.

19. When a reduction in the establishment of men, equipment or horses is authorised, the stores to be disposed of will be the actual complete sets of equipment in use by the men or horses drafted to other units, or otherwise dealt with as supernumerary.

20. Extra service arms and accoutrements will be supplied to units which may be temporarily augmented. They will not be marked by units in any way nor taken out of India, and will be accounted for as "extra service" arms and accoutrements.

21. A free issue of a revolver, binoculars and prismatic compass, will be made to officers of the Unattached List, Indian Army, on first appointment. The articles will be brought on charge in the unit equipment ledger and issued to the officer, the issue being supported by the officers' receipt. Revolvers, binoculars and compasses issued to officers will be marked with the "Sale mark" and will be maintained in a serviceable condition by officers at their own expense

Newly commissioned officers of the British Army serving on the Indian Establishment, whether commissioned in the United Kingdom or in India, including those appointed to the Unattached List for the Indian Army from the Territorial Army, Supplementary Reserve and the [illegible] tain these items from [illegible] Office, and maintain [illegible]

Officers may have these articles cleaned or repaired "on payment" at an arsenal, factory, or by the Mathematical Instrument Office, and they will be inspected for serviceability before return.

NOTE.—For restricted issue of revolvers, see paragraph 25.

22. Indian officers, commissioned from the ranks after the 2nd Jan., 1922, are authorised, as a free issue, "Sam Browne" accoutrements, swords and scabbards as prescribed for their particular services. This free issue does not, however, apply to those who hold such articles as part of their equipment at the time of promotion.

Units may demand the above free issue when recommendations for promotion to commissioned rank are submitted. The articles will be retained in store by the unit, pending notification of promotion in the Gazette of India, when immediate issue will be made to individuals concerned.

Articles thus issued will be held on ledger charge and maintained at the cost of the State but the officer to whom they are issued will be permitted to retain them, without payment, on honourable retirement.

If an officer dies while serving in the Army, the articles issued under this authority may be handed over to his heirs The retention of a sword by an officer's heir is, however, dependent on the grant of a licence by the civil authorities whether the officer dies in the Army or as a pensioner.

23. Free issue of barrack sheets will be made as shown below The sheets become the property of the regiment and no compensation will

be allowed in lieu. When individuals are transferred within Indian limits, the date] of the last issue of sheets will be endorsed on I. A. F. G-857.

To whom admissible.	When admissible.	No.	Replacement.
(i) British soldiers, including departmental warrant officers (except I.M.D.) who are provided with free housing accommodation	At the port of disembarkation or on enlistment in India	3	Biennial issues of two sheets are made on the 1st August, the first issue counting from the July nearest to that on which it was made.
(ii) Wives (and widows) of the above who are in receipt of marriage allowance	At the port of disembarkation or on marriage.	3	
(iii) School mistresses .	At the port of disembarkation or on first appointment in India	3	
(iv) Military medical pupils .	On admission to medical colleges.	3	

24. On arrival or enlistment in India a British soldier will receive a free issue of one enamel mug and plate which will be maintained and replaced at the soldier's expense.

25. The issue of revolvers will be restricted as follows :—

(i) Officers of the Royal Army Medical Corps, Army Dental Corps and Indian Medical Services (regular and temporary-commissioned) and Assistant and Sub-assistant Surgeons, will not receive revolvers but issue on loan may be authorised when serving in an area of active operations, provided that the G. O. C. determines such issue to be necessary. This does not apply to the Assistant Surgeons attached to Nos. 7 and 8 Field Ambulances in the Waziristan District, revolvers and connected equipment for whom will be held on charge of the hospitals concerned.

(ii) Officers appointed Quartermasters for service with Indian Infantry battalions, and the Indian Signal Corps, will receive a revolver on first appointment. (Other quartermasters, who are departmental officers of the Unattached List, come under the rules in (iv) below.) Revolvers will be marked with the "Sale mark" and maintained in a serviceable condition by officers at their own expense.

(iii) Officers of the A. I. R. O. destined for active duties with fighting units will receive a revolver on loan when called to Army Service. Others will not ordinarily receive a revolver, but may do so under the conditions laid down in (i) above.

(iv) Departmental officers of the Indian Unattached List destined for active duties with fighting units will receive a revolver. Others will not ordinarily receive a revolver, but may do so under the conditions laid down in (i) above.

26. Officers, warrant officers, non-commissioned officers and men for whom rifles are not issuable as personal equipment will, when required to perform musketry courses, be supplied temporarily with arms taken from those issued for the rank and file. The same course will be followed when arms are required by such ranks for use at voluntary practice or at authorised rifle meetings.

Superior Commanders are responsible that suitable regimental or local arrangements are made to govern these temporary loans, and that divided responsibility for any damage that may occur to the arms is prevented.

27. The marks and numbers on stores of all nature, on every kind of projectile and fuze, and on guns, will be noted in all reports and relating to the repair, alteration, and condemnation of such stores, in order that the date of manufacture may be readily ascertained.

28. *Cancelled.*

29. Condemnation of stores will be supported by proceedings of boards where boards are necessary.

30. Materials for the repair of regimental equipment will be supplied by the I. A. O. C., but in the case of instructional equipment may be purchased locally by Sappers and Miners units, provided the expenditure involved is covered by budget provision, when the exigencies of the service do not permit these units to obtain them from the I. A. O. C.

31. New complete articles are not to be made except in special circumstances, in which case a return of articles made will accompany the annual demand for materials with full explanation for the necessity for their manufacture Articles manufactured from materials on charge will be brought on charge on I. A. F. Z-2096

32. Units at other than arsenal stations may, when such articles are authorised in their equipment tables and subject to the prior concurrence of the C. O. O., purchase locally articles detailed in Appendix 53.

33. Vouchers for all stores issued to the Indian Unit stationed in the Malay Command will be endorsed "debitable to the Federated Malay State Government". Vouchers for stores of annual supply issued to units will be clearly marked "Annual Supply".

For the method of endorsing vouchers for stores returned to the I. A. O. C. see para. 141.

34. Components of recuperators should be clearly stamped with dimensions (plan or actual oversize) before issue from an arsenal or factory and the issue made in accordance with the History Sheet data.

35. Harness and saddlery for fatigue purposes will be supplied by the I. A. O. C. (see para. 37) from that returned by units. The condition of these stores is such that although it is not desirable to issue them in compliance with ordinary demands they are quite serviceable for further use for fatigue purposes In arsenals these stores are held on charge as "Unserviceable" but will be issued to units under the classification "Fatigue". Before issue they will be marked with the letter 'F' one inch in size

36. Spare sets of harness and saddlery are not to be considered a reserve from which to draw component parts to replace similar articles out of repair.

37. The scales of stores indicated below are as laid down in the appendices specified :—

(i) Ambulance stretchers	Appendix	5
(ii) Materials, time and pay allowed for cleaning, painting, etc., ordnance carriages, etc	,,	11
(iii) Materials allowed for cleaning arms	,,	14-A.
(iv) Stores allowed annually, for the quarterly re lubrication of rifles between stock and barrels	,,	15
(v) Clipping machines	,,	19
(vi) ·22" R. F. rifles issuable on payment to Indian States Forces	,,	20
(vii) Material allowed annually for the repair and preservation of lances	,,	22
(viii) Annual allowance of brown basils	,,	23
(ix) Materials allowed for cleaning rangefinders	,,	25
(x) Saluting guns	,,	27
(xi) Paint allowed annually for A. T carts, etc	,,	31
(xii) Cooking utensils, I T.	,,	33
(xiii) Bicycles	,,	34
(xiv) Vehicles and spares for fatigue purposes	,,	37 and 37-B
(xv) Harness and saddlery for fatigue purposes	,,	37-A
(xvi) Apparatus, aerial signalling, strips, etc, for Army formations	,,	43
(xvii) Equipment for riding schools of units	,,	44
(xviii) Fire engines for ordnance establishments	,,	50
(xix) Hose pipes for mechanized units	,,	56
(xx) Survey stores for Brigade Intelligence Sections	,,	58

38. The composition of sets, etc., are contained in the following appendices :—

Unit artificers' tools	Appendix	16
Harness, saddlery and packsaddlery	,,	18
Components of G. S wagons	,,	41
Equipment for M T. vehicles	,,	46
Equipment for Mobile Workshop Lorry	,,	47
M T. tools chests	,,	48
Equipment for breakdown lorry	,,	49

39. Instructions for painting are given in Appendix 30. For items of artillery equipment which are not to be painted and for the instructions for their cleaning, see Appendix 52.

40. For stores which will be purchased and maintained by units from the lines contingent allowance, see Appendix 57.

41. The Tent Repair Unit in Waziristan will carry out repairs to ground sheets for units stationed in Waziristan.

Unserviceable ground sheets if not available *vide* para. 168, may be demanded as required subject to a maximum of 5 per cent. by units, other than those stationed in Waziristan, for the repair of ground sheets on charge.

The cost of unserviceable ground sheets repaired under the authority of this paragraph will be debited to units when the provisions of para. 293 have not been complied with.

Repairs to ground sheets will be carried out as follows :—

A piece of material will be cut from an unserviceable ground sheet and solutioned on to the sheet requiring repair (in the same manner as used in repairing a bicycle tyre) and the patch will be machined round. No vulcanizer is required.

42. Table showing areas of supply for Ordnance stores.

(Under revision.)

43. The initials and monograms of Ordnance establishments are given below :—

Arsenals.		Factories		
Allahabad	A. A.	Ammunition	Kirkee	K. F.
Ferozepore	F.	Cordite	Aruvankadu	C. F.
Kirkee	K A.	Gun Carriage	*Jubbulpore*	J.
Quetta	Q.	Gun and Shell	Cossipore	Co.
Rangoon	R	Harness and Saddlery	Cawnpore	Ca.
Rawalpindi	R. P.	Rifle	Ishapore	R. F. I
		Metal and Steel	Ishapore	M. S. F.

Depots.		Inspection (acceptance marks)		
Bombay	B D.	Inspector of Ammunition	Kirkee	I. ↑ I. A.
Cawnpore	C. D.	Inspector of Guns	*Cossipore*	I. ↑ I. G.
Fort William	F. W.	Inspector of Small Arms	Ishapore	I. ↑ I. S. A.
Drigh Road	D R. D.	Inspector of Gun carriages and vehicles	Jubbulpore	I. ↑ I. C.
Lahore	L D	Stores and Clothing Inspectorate—		
Shahjahanpur Clothing Depot	S. H	All Sections at Cawnpore		Ca ↑ I
		Inspectors of Clothing and Clothing Stores, Shahjahanpur		S. H. ↑ I.
		Inspecting officers at arsenals or depots		Station initial followed by ↑ I.

SECTION II.—ORDINARY INDENTS.

44. Indents for the free issue of ordnance stores will only be submitted when their issue has been sanctioned by the G. of I. The following are the principal authorities for the demand of stores :—

Regulations for the Army In India.

Equipment Tables.
Army Instructions (India).

45. Indents for ordnance stores sanctioned in Army Instructions (India) must not be submitted until called for, unless it is specifically stated in the Army Instruction concerned that indents are to be submitted.

In the case of doubt as to the submission of indents enquiry will be made from the C. O. O. or O. O.

46. Dates for rendering indents :—

(Under revision.)

47. The attention of Unit Commanders is invited to Chapter XV, R. A. I. The following special instructions are issued in connection with the preparation of indents :—

(i) I. A. F. Z-2098 will be used in peace. The form will be submitted in original only, except in the case of demands to replace unserviceable stores and also "Checked indents" for mobilization equipment, which are required in duplicate.

(ii) The authority for the issue of any stores idented for must always be quoted on the indent. Where the authority is not such as would be distributed to units and departments generally, a copy of it must invariably be attached to the indent.

(iii) Separate sheets are required in the case of each section of the priced vocabularies of ordnance stores.

(iv) Indents will be endorsed in column 6 of the form with the reason for submission, *i.e.*, "On payment", "Annual allowance", "To replace unserviceable", "First issue". Separate indents are required for each nature of demand.

(v) All indents will be given a serial number and date. Where an indent involves the filling up of more than one sheet, each sheet will be completed with the unit's designation and indent number and will be given a consecutive number. Only the last sheet need be signed.

(vi) Indents will always be signed by the Unit Commander (or an officer nominated by him), or by the O. C. detachment in out-stations, except in the case of Auxiliary Force units, in which case Adjutants, who are regular officers, may sign indents on behalf of the Unit Commander during peace or until such time as Auxiliary Force units are embodied, when the normal procedure will be reverted to.

(vii) The nomenclatures of stores as shown in the priced vocabularies will invariably be used. Sizes and marks where applicable will be shown in column I of the form.

(viii) In the case of Ordnance stores, of which a specific number or quantity is admissible annually, the number or quantity remaining on charge at the time of submission of the indent will be shown, and only that actually required to complete the annual allowance will be indented for (see also para. 60).

(ix) Indents for components of recuperators will be accompanied by a suitable extract from the History Sheet.

48. Units moving in relief within Indian limits during peace may submit indents either on the arsenal on which they are, or will be, dependent, but all indents outstanding at the time of movement will be cancelled by the C. O. O or O. O. handing over the unit The outgoing unit will, however, hand over on relief to the incoming unit copies of all outstanding indents and disposal orders for stores which do not accompany it to the new station The incoming unit will at once submit fresh indents for these stores In the case of stores indented for which accompany the outgoing unit and are still outstanding, copies of outstanding indents and disposal orders will be taken by the unit to its new station and indents at once submitted for their replacement.

Unit under orders to proceed overseas will at once submit indents for any articles required to complete them to authorised scales.

The procedure for dealing with outstanding indents of units mobilized and proceeding on service is laid down in Mobilization Regulations, India

49. Indents for stores which are authorised in unit equipment tables, but which are not considered necessary for the efficiency of the unit, will be represented under para. 232.

50. Indents for Indian units in the China Command will be submitted as follows :—

(i) Indents for [illegible] in the first instance who will issue from those held in deposit and pass non-availables on to the C. O. O., Allahabad.

(ii) Indents for other ordnance stores should be submitted direct to the C. O. O., Allahabad.

51. In the case of the Indian unit stationed in the Malay Command, indents for all Indian pattern equipment, ordnance stores will be submitted to the C O O., Rangoon Arsenal, through the D. A. D. O S., Malay Command. The cost will be debited to the Federated Malay States Government

52. The following special instructions are issued in connection with the demands for the replacement of unserviceable ordnance stores :—

(i) Unit Commanders will indent for stores which have become unserviceable through fair wear and tear. Demands for replacement of stores which have become unserviceable through other than fair wear and tear will be supported by a copy of I A. F. A-498, duly sanctioned by the competent authority

(ii) In order to ensure that units are always in possession of adequate and serviceable stores and always prepared for emergency and mobilization. Unit Commanders may also submit indents in advance, in accordance with para. 46, for the replacement of stores, other than those which are normally inspected and condemned by experts, when it is expected that they will be completely unserviceable by the time the next quarterly condemnation board is held.

(iii) Unit Commanders are required to exercise discretion and foresight in framing demands for the replacement of unserviceable stores, keeping in view their experience of the time taken by the I. A. O. C., in complying with demands. They are responsible that the stores are completely unserviceable before their return to the I. A. O. C , as unserviceable and new stores are taken into use.

(iv) The scales and authorised proportions laid down may be temporarily exceeded as a result of the operation of the rules in (iii) and (iv) above.

53. Indents for ordnance stores required as a " First issue ", except for stores newly sanctioned, will be submitted through the D. A. D. O. S. of the District, with a full explanation why the stores are not already on charge. The D. A. D. O. S. will, after investigation, if he is satisfied as to the necessity for the demands, forward the indents to the C. O. O. or the O. O. for compliance.

54. On notification of a change of pattern involving the immediate withdrawal of that in use, indents will be forwarded for the new equipment, but Unit Commanders will not demand any article from store on account of a preference which they may have for a particular pattern.

55. When tools are required to replace similar unserviceable articles which form part of complete tool chests, they will be demanded in detail.

56. Indents and vouchers for equipment for the use of detachments will be signed by the Unit Commander or an officer nominated by him, unless the officer in command of the detachment is a direct accountant.

57. When time permits all indents for artillery ammunition will be submitted through the Artillery Brigade Commander who will as far as possible arrange re-distribution of any small lots of cordite and fuzes that may exist between batteries in the brigade and the ammunition column.

58. To enable issues of ammunition of the same lots as those already on charge to be made, O's C. when indenting for artillery ammunition will attach a list showing lot numbers and number in each lot of cordite and fuzes in possession.

59. Indents for blank gun ammunition for reviews, field days, salutes, etc., will be accompanied by a copy of the order directing the expenditure. They should only be submitted when the stock of blank gun ammunition becomes low.

60. In preparing indents for material for repairing equipment Unit Commanders will certify on the indents that credit has been given therein for any material remaining on hand, and that the quantities demanded, together with these, do not exceed the authorised proportion.

SECTION III.—PAYMENT INDENTS.

61. Payment indents may be submitted at any time in original. The indents will be endorsed "On payment" and the rule in para. 47 (iii) followed in their preparation. Articles supplied free should not be included in payment demands.

62. The following can ordinarily submit demands on payment, subject to the reservations in paragraphs that follow :—

CLASS I.—PAYMENT INDENTS.

The Royal Navy.

The Royal Air Force.

Army units (see R. A. I., para. 1).

The War Office.

Colonial Governments.

Port Trusts.

Guaranteed Railways.

Government Departments.

CLASS II.—PAYMENT INDENTS.

Civil Institutions.

Private persons.

CLASS III.—PAYMENT INDENTS.

Indian State Forces.

CLASS IV.—PAYMENT INDENTS.

British Officers of the Army and R. A. F.

63. Class I payment indents are as follows :—

(a) Indents for authorized stores, that is fr ... erials which form part of the equipm ... d units or for which scales are laid ... or other regulations, are to complete ... to the scale laid down, and will be co ... further reference. The regulations ... necessity for the submission of a paym ... ated on the indent.

(b) Indents for unautho ... for those stores not covered by (a) a ... with if stocks permit. The prior san ... S. Provision, A. H. Q., will be obt ... necessary by the officer-in-charge of ... hment concerned.

Inde ... aph, Public Works and other ... countersigned by the local adminis- ... department concerned, before sub- ... Bombay Presidency, indents will be ... y Superintendents of Police. Employees ... nt Departments will demand through the ... eir departments.

... indents will only be complied with if stocks ... case of demands for arms and ammunition which ... nction of the G. of I. In the case of stores other ... mmunition the prior sanction of the A. D. O. S. Provi- ... will be obtained if considered necessary by the officer in ... ordnance establishment concerned. The cost of the stores ... posited in a Government Treasury by civil institutions and individuals, before any stores demanded on payment may be ... d from the ordnance establishment, making the issue. No ... ance stores will be sold to private individuals or to civilians ... nployed in supplying departments.

65. In the case of class III payment indents the policy regarding the supply of stores and equipment to Indian States Forces, is to meet their equipment as far as possible from Government stocks.

Except where special orders exist to the contrary, Class A. and B. units receive an initial issue of certain arms and equipment free and maintain and replace this equipment at their own expense. Indents for stores to maintain or replace the arms and equipment issued free will be countersigned by the Military Adviser of the State and, on receipt in the arsenal, will be treated as Class I payment indents, provision made in the usual manner if the articles demanded are not available. When small arms and machine guns are issued as replacements an equal number of weapons previously supplied should be returned to the arsenal.

Indents from Class A and B units for stores in excess of the scales laid down, and from those units not yet classified as such, will be referred,

when stocks do not permit of issue being made, to the D. O. S., A. H. Q., who will endeavour to arrange supply from other arsenals. Initial issues of arms, however, require the prior sanction of the Government of India.

Indents for ·303" and pistol ammunition will be countersigned by the Military Adviser of the State who will certify on the indent that the balance of ammunition on hand, *plus* the amounts under demand, does not exceed the scale laid down. The fresh supply of ammunition of this nature is conditional on the return of an equivalent number of fired cases, for which a refund is made at the rates laid down in para. 143. Indents for ammunition in excess of the scales laid down will be referred to the D. O. S., A. Hqrs., for sanction.

Indents for ammunition for muzzle loading and smooth bore arms are forwarded by the Political Officer or Military Adviser, after countersignature direct to the arsenal on which the State is dependent. Such indents are subject, in the case of ball ammunition, to a limit of 40 rounds per annum for each arm, and in the case of units not yet classified as A. or B. to a limit of 30 rounds per annum for each pistol; there is, however, no limit in the case of buckshot and blank ammunition for smooth bore arms or for smooth bore cannon.

Before forwarding indents the Political Officer or the Military Adviser concerned is required to satisfy himself that the ammunition to be replaced has been actually or nearly expended. The fresh supply of ball ammunition is conditional on the return to the arsenal of an equivalent number of fired cases but this condition may be relaxed in special cases by political officers under the terms of their instructions.

66. *Class IV payment demands will only be complied with* if the officer in charge of the establishment considers that his stocks permit of issue. The indentor will certify that stores demanded are required for his personal or household use. Stores will not be transferred from one establishment to another or specially ordered to meet demands of this nature.

In the case of officers serving with or attached to units, their requirements will be met from unit stores if available. If not available from this source indents will be preferred by the Unit Commander who will be responsible for recovering payment from the officer.

Only officers not serving with or attached to a unit can submit indents direct on ordnance establishment.

67. The following orders govern the issue of arms on payment. Attention is also invited to para. 222, R. A. I.

(i) Rifles or carbines may be issued on payment for match shooting purposes to British and Indian officers of regular units, Auxiliary and Indian Territorial Forces, Indian States Forces, Inspectors of Police in Burma and officers above that rank, warrant officers and staff serjeants (Regular and Auxiliary Forces), and departmental N. C. Os. Also to Auxiliary and their India Territorial Force units up to 2 per cent. of strength.

(ii) Bored out or smooth bore arms may be issued to any of the individuals mentioned above with the exception of Auxiliary and Territorial Force units. These arms come under the rules for private arms of Indian Troops.

(iii) Pistols may be issued only to officers holding His Majesty's Commission, except officers of the A. I. R. O.

(iv) The arms referred to in (i) and (ii) above will be separately shewn in the ledgers of the unit to which the individual belongs, and will be shewn in the annual returns, etc. Indents will bear a certificate by the individual or unit commander concerned that the arms demanded are for personal or unit use. Rifle arms, excluding pistols, will be returned to the I. A. O C., when :—

(*a*) no longer required for personal or unit use,

(*b*) the individual or unit finally leaves India,

(*c*) the individual becomes non-effective. Pistols of officers holding His Majesty's commission may also be returned to the I. A. O. C. when such officers become non-effective.

(v) Arms will only be used for the prescribed purpose and must, on no account, be taken out on shooting expeditions.

68. Tools artificers may be demanded on payment by Os. C. British units for voluntary workshops, and on receipt become the property of the individual or unit.

69. In cases of emergency, officers in charge of ordnance establishments may sanction the issue, on payment, of stores which ordinarily require the prior sanction of the D. O. S. All such cases will be referred immediately they occur to the D. O. S. for covering sanction, with a report as to the circumstances under which issue was made.

70. The rates at which recoveries are to be made in the case of ordnance stores issued on payment, are laid down in the "Instructions for rates in the priced vocabularies of stores for India, Abridged edition, Part II, and Supplements Nos. 1 to 5", and the "Vocabulary of Ordnance stores, India".

71. Units may demand "on payment" a small stock of mugs and plates up to a limit of 5 per cent. of the strength of the unit for re-sale to the men under unit arrangements.

SECTION IV.—SHOES FOR ANIMALS.

72. Superior Commanders will fix local scales showing the number of shoes and nails to be allowed per government animal, which scale, with any subsequent modifications, will be published in local orders. The maximum scale of shoes to be issued is fixed at one set per month for each government animal to be shod. This scale will only be allowed when rendered necessary by local conditions.

73. Units in possession of forges will demand only 65 per cent. of their scale of shoes (*i.e.*, 60 per cent. ready made shoes and 5 per cent. bar iron). The remaining 35 per cent. will be provided from worn out shoes, which together with the 5 per cent. of bar iron, will be made up in the forges of units. The weight of worn out shoes in excess of the amount retained for re-working into new shoes will be reported, as scrap metal, to the C. O. O., or O. O., for disposal orders.

74. Indents for more than 10 per cent. of hind shoes for riding horses will be forwarded to the Superior Commander for approval before submission to the C. O. O., or O. O.

75. Units will manufacture their requirements of "Shoes, horse, I. P., heavy draught" locally. The material required will be found from the sanctioned allowance of bar iron.

76. The full quantity of nails for all authorised shoes (including removals) will be demanded, *plus* 5 per cent. as spare. The sizes of the shoes and nails (see Appendix 13), and the brigade or district order authorising the scale will be stated in demands. The number of nails per lb. is given in Appendix 13.

77. Shoes and nails (paras. 72 to 76) are not admissible to animals on charge of Government grass and dairy farms, for which shoeing allowances are admissible.

78. If "all round" shoeing is not carried out, sufficient shoes and nails will be kept in store properly fitted to enable this to be carried out, should the necessity arise.

79. To ensure the turnover of shoes referred to in paragraphs 78 and 81, they will be drawn upon every quarter to the fullest extent possible, such withdrawals being replaced from the new receipts.

80. All horses the property of the public, for which hiring charges are paid by officers and all horses the private property of officers will be shod at the officers' expense.

81. Shoes and nails will not be supplied "on payment" for officers' horses not shod in an Army farriery.

82. A spare set of shoes (with nails) will be maintained by units as mobilization equipment for every Government animal authorised in the war establishment. The shoes and nails are shewn in the appropriate W. E. T.

The shoes will be fitted in peace ready for immediate use to every animal on the strength of the unit passing from the peace to the war establishment.

SECTION V.—DISPATCH OF STORES.

83. Government stores will ordinarily be dispatched in accordance with the instructions contained in R. A. I.

84. All consignments of arms and ammunition for Waziristan will be despatched by passenger train and, 24 hours prior to despatch, telegraphic intimation will be sent to the consignee informing him of the

nature and weight of the stores ; date of despatch, route and railway station to which booked.

The consignee will be responsible that any undue delay in delivery is at once brought to the notice of the railway authorities and that action as laid down in R. A. I. and I. A. F. Z-2000 is taken immediately.

85. The establishment issuing stores to the Nepal Government will send an intimation to the British Envoy, 15 days in advance of the date on which the stores will be despatched, with a mention of the date on which the stores will be despatched, with a mention of the date on which the consignment is expected to reach Raxaul.

The issue vouchers and the consignment will be sent addressed to the British Envoy, but the railway receipt will be sent to the British Legation Overseer, Raxaul The railway station to which stores should be booked is " Raxaul " and the vouchers will be forwarded as soon as the stores are despatched.

86. In the case of authorised payment demands from units and departments administered by the Army Department of the Government of India and demands from units of the Indian State Forces for stores to replace the initial free issue of arms and equipment, the stores demanded will be despatched at military traffic rates on credit notes, and all losses or damage in transit will be dealt with as laid down in Regulations for the Army in India.

87. In the case of payment demands from—

(i) other departments of the Government of India or units administered by them ;

(ii) individuals, units and departments administered by the Army Department, for unauthorised stores ;

(iii) civil institutions and private persons ;

(iv) Indian State Forces, for stores other than those mentioned in para. 86.

the military authorities will not be liable for any loss or damage in transit. Normally stores issued in compliance with payment demands of the nature mentioned above, will be despatched at military traffic rates on credit notes and, except in the case of Indian State Forces, the percentages laid down in the Priced Vocabularies will be charged on the voucher. At the discretion of the indentor, however, to permit of claims for loss or damage being raised against the railway, the stores may be sent bearing " freight to pay " at the ordinary tariff rates, when only the actual cost of packing and not the percentages laid down in the Priced Vocabularies will be charged on the vouchers.

88. In the case of Indian State Forces who elect to have stores sent at the ordinary tariff rates, a refund equal to the cost of sending the stores at military rates will be admissible on application to the Controller of Military Accounts concerned, since ordinary freight charges are not leviable on payment issues to Indian State Forces units.

89. In the case of issues to the Royal Air Force, the stores will be despatched on credit notes endorsed "Debitable to Part C of the Army Estimates" and losses or damage in transit will be dealt with by the Royal Air Force authorities and adjusted under Part C of the Army Estimates.

90. Neither gunpowder nor ammunition of any kind will be forwarded to an ordnance establishment until the consignor is satisfied that the consignee is ready to receive it.

91. Scientific and optical instruments (including rangefinders) transported between units and arsenals will be dispatched complete in their own cases where such are provided.

Gun and howitzer carriages will be railed by units to arsenals and factories with all bright steel, external parts cleaned and liberally smeered with mineral jelly, and metal parts painted. Buffers of carriages with spring recuperators will be sent empty and air recuperators will be sent full. Rocking bar sights will be despatched separately

92. No ordnance stores drawn at ordnance establishments by units dependent will be removed until the vouchers for the stores, duly signed by the officer authorised to sign vouchers, have been received. Units in an arsenal station will make their own arrangements for the removal of stores under supply to them, and will grant receipts at the arsenal

93. Highly inflammable liquids will be transported in tin bottles or containers three parts full, the stopper or cork being secured by a metal cap soldered on If transported in cases, the latter should have pent tops, and the inside packing should consist of ashes free from cinders chalk sand or dry earth. Sawdust will not be used as packing for liquids contained in breakable containers, particularly to dangerous, corrosive and poisonous chemicals, which are transported in glass or stone-ware bottles and will be packed upright in pent top cases with an inside packing of ashes free from cinders, chalk, sand or dry earth.

94. When explosives are issued from an ordnance establishment and coverings are considered necessary they will be supplied by the I. A. O. C. and will be returned to store immediately on completion of the service.

SECTION VI.—RECEIPT AND INSPECTION OF EQUIPMENT BY UNITS.

95. In reporting any discrepancy the fullest information will be given: all numbers, weights, and marks upon the packages giving evidence of their having been tampered with, being carefully recorded. In cases of actual deficiency, the packages with their notes and all wrappers, will be retained until the enquiry closes.

96. Fuzes, tubes and articles issued in hermetically closed cases, small arm ammunition and gunpowder, will be taken on charge as received, the cases not being opened till the contents are required for use or for periodical inspection. Any defects or deficiencies then discovered

will be immediately reported, quoting names, dates, or other marks. Should these precautions be omitted, the officer receiving the stores will render himself liable for any discrepancies.

97. Arms will be examined by regimental boards on receipt from the I. A. O. C. and a completion report with remarks, if any, forwarded to the C. O. O. and the I. S. A.

98. Arms are not to be rejected for mere blemishes which do not interfere with their efficiency. The existence of such defect will be recorded in order to shield officers and soldiers from any future responsibility. Stars in front of the knox form on barrels of rifles, carbines and in continuation of the registered number of Vickers, Lewis and all other machine gun barrels, and on the left-hand side of the top strap of pistols denote that the trace of a cut or of rust may be found inside the barrel. Stars on the other portions of barrels denote that a trace of exterior erosion exists in the region of the star. A star on the pommel of [illegible] on tour and in ordnance establishments.

SECTION VII.—EQUIPMENT ACCOUNTS.

99. All receipts and issues of equipment (except items referred to *vide* para. 105) will be entered in the ledger concerned supported by the necessary vouchers, *i.e.* :—

Regimental equipment *(including mobilization equipment)* in the regimental equipment ledger.

Station stores in the station store ledger.

[illegible] vouchers in support of all transactions.

100. The W. D. registered number or, where such does not exist, the makers' name and number or other identification mark, of the stores detailed in Appendix 36, will be recorded in manuscript lists which will be kept at the end of the ledger or inventory list concerned. Where a registered number or other identification mark does not exist, the stores will be included with the remark "no identification marks exist". The registered number or other marks will be quoted on all vouchers pertaining to the stores.

101. On return of units to peace conditions, a board will be assembled to take stock in detail of all stores in possession of units, irrespective of the source from which they were obtained, and this stock will form the opening balance of a new equipment account which will be kept up in the usual manner. An examination of the arms, machine guns, and t[illegible] mountings will be carried out by the C. C. M. A., who will report [illegible]

on their condition and fitness for service, stating what repairs are necessary and where they should be carried out. The general instructions which are laid down for annual boards on arms will be followed.

102. The order sanctioning the shooting of a glandered horse will be quoted as the authority for striking off charge portions of harness or saddlery destroyed in order to prevent infection.

103. Materials and tools for repair of small arms, harness, saddlery and carriages, kept as a reserve, are to be shown in equipment ledgers, but transactions will not be recorded therein.

104. To avoid petty and numerous transactions in the equipment ledger, expense vouchers for those stores borne on ledger charge which are used in the repair or cleaning of equipment, will be made out monthly from the regimental artificer's repair book (I. A. F. Z-2102) and posted as an issue in the ledger. These expense vouchers will be prepared in English and bear the signature of a responsible officer that the quantities charged off in the ledger tally with those entered in the repair book. Balances shown in the repair book will be checked monthly with the stock.

105. With the exception of ammunition and explosives, small arm and machine gun components (other than those detailed in Appendix 35), stores supplied annually by the I. A. O. C. will not be accounted for in the equipment ledgers of units.

106. Materials for repair required by an artificer from regimental store will be demanded and accounted for in accordance with the instructions contained in I. A. F. Z-2102. To safeguard against misuse Unit Commanders will restrict to the minimum the issue of repair material required under para. 104. In Indian pack batteries, the entries will be made in English.

107. All empty Q. F. and small arms metal cartridge cases will be accounted for in equipment ledgers. Empty metal blank and buckshot cases will be kept and accounted for separately from fired ball cases. Empty paper blank cases and fired signal and illuminating cartridges will be burned and the replacement indent endorsed with a certificate of the number destroyed. The metal portion of fired signal and illuminating cartridges will be recovered and returned to the I. A. O. C.

108. Official books, printed records, prints, fuze scales and range tables obtained from the I. A. O. C. will not be brought on charge in equipment ledgers, but accurate lists thereof will be kept.

Officers assuming charge will verify the lists and report any deficiencies.

109. Range tables are allowed at one per gun on unit charge and one for each officer and warrant officer in the battery. They are part of unit equipment and will be dealt with as such. Battery Commanders will ensure that an officer or warrant officer when transferred will leave his range table with the battery.

110. Units [illegible]
deficient, whil[illegible]
will be replace[illegible]
station in which the unit is located is satisfied that there are reasonable grounds to believe that the copies have been lost, damaged, torn or burnt through fair wear or accident beyond control.

111. *Cable, electric, "D" class which may become deficient owing to* wastage incurred in jointing, cutting out of joints, etc., will be certified as expended on training and written off charge in the store account.

112. To enable the Controllers to raise necessary debit against the Civil Departments, units will prepare separate vouchers for stores demanded in connection with the salutes fired for Ruling Princes and Chiefs and Political Officers and will endorse prominently on such vouchers :—

"Cost debitable to Civil Department. Authority—A. D. letter No. A/41231/1 (A. G. XI), dated 25th September 1930."

113. Harness and saddlery issued for fatigue purposes (*vide* para. 37) will be taken on ledger charge as "Fatigue" and accounted for, condemned and replaced similarly to other items of regimental equipment.

114. Stores sent to an arsenal or depot for test will be issued on "Nominal vouchers". If stores sent for test are returned in a serviceable condition, the transaction remains a nominal one. If they have been consumed or destroyed in test, a certificate to this effect will be furnished to the unit, who will write the stores off charge, on regular vouchers endorsed "Used in Test", quoting the certificate as the authority for writing them off.

114A. Stocktaking of all Ordnance Stores will be taken annually. All discrepancies will be investigated, and adjusted in accordance with Financial Regulations, Part I. Surpluses, if any, will be brought to account by certificate receipt voucher and, where necessary, be disposed of *vide* para. 138.

Where complete stocktaking in accordance with para. 11 has been taken during the financial year, it may be counted as the annual stocktaking providing the following procedure has been carried out :—

(i) Before counting is commenced all vouchers will be posted and a line drawn under the balance shown to be on ledger charge. The result of the count will be entered in the line in the balance column, one line being for any adjustment necessary when the balance on ledger charge differs from the count.

(ii) The officer taking stock will initial the entry. Discrepancies will be entered on I. A. F. O-1347-C, on which the orders of the O. C. Unit will be recorded.

During stocktaking the authorised proportion, which will be shown in red ink on the ledger sheet, will be verified and checked against the quantity found to be on charge. Surpluses will be disposed of *vide* para.

138, while indents required to complete to scale, except in the case of indents referred to in para. 49, will be submitted *vide* para. 53.

due to fair wear and tear, and will be followed by boards in assessing charges for losses and damage to such in possession of units. They are *not intended to limit the period for which small arms and machine guns* are to last.

The value to be refunded on arms returned will be calculated as follows:—

Serviceable arms.—The value according to Table I.

Repairable arms—The value according to Table I, less the cost of any repairs not due to fair wear and tear, according to Table II.

Unserviceable arms.—One-twelfth of the original value.

TABLE I.

Annual depreciation in value of small arms and machine guns and bodies and barrels thereof.

Description of Arms	Original value Indian stock book rates	1st year	2nd year	3rd year	4th year	5th year	6th year	7th year	8th year	9th year	10th year	11th and the following years
	Rs A	Rs A	Rs A	Rs A.	Rs A	Rs A	Rs A	Rs A	Rs A	Rs A	Rs A.	Rs A
Rifles, No 1—												
Mk 1** I P	74 0	67 13	61 11	55 8	49 5	43 3	37 0	30 13	24 11	18 8	12 5	6 3
Mks III & III*	71 10	65 10	59 11	53 11	47 12	41 12	35 13	29 13	23 14	17 14	11 15	6 0
Mk III convt	71 10	65 10	59 11	53 11	47 12	41 12	35 13	29 13	23 14	17 14	11 16	6 0
Rifles, Short 22 in R F—												
Mks III & IV	64 1	58 12	53 6	48 1	42 11	37 6	32 1	26 11	21 6	16 0	10 11	5 5
Rifles, Short 22 in R F—												
Patt '14, No 2, Mk I*	70 0	64 3	58 5	52 8	46 11	40 13	35 0	29 3	23 5	17 8	11 11	5 13
Rifle, No 2—												
Mks III* & IV*	75 0	68 12	62 8	56 4	50 0	43 12	37 8	31 4	25 0	18 12	12 8	6 4
Pistol, revolver No 1—												
Mks III, IV & V	67 8	61 14	56 4	50 10	45 0	39 6	33 12	28 2	22 8	16 14	11 4	5 10
Mk VI	72 6	66 6	60 5	54 5	48 4	42 4	36 3	30 3	24 2	18 2	12 1	6 1
Barrels with body—												
Rifle No 1—												
Mks III, III convt III*	43 11	40 1	70 7	32 12	20 2	25 8	21 14	18 3	14 9	10 15	7 5	3 10
Rifle No 2	37 10	34 8	31 6	28 4	25 1	21 15	18 13	15 11	12 9	9 7	6 4	3 2

TABLE I—*contd.*

Annual depreciation in value of small arms and machine guns and bodies and barrels thereof—contd.

Description of Arms.	Original value: Indian stock book rates.	1st year.	2nd year.	3rd year.	4th year.	5th year.	6th year.	7th year.	8th year.	9th year.	10th year.	11th and the following years.
	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.
Bodies—												
Rifle, No. 1—												
Mk. I** I. P. . .	10 0	9 3	8 5	7 8	6 11	5 13	5 0	4 3	3 5	2 8	1 11	0 13
Mks. III, III* . .	13 0	11 15	10 13	9 12	8 11	7 9	6 8	5 7	4 5	3 4	2 3	1 1
Rifle, No. 2—												
Mk. III . . .	6 4	5 12	5 3	4 11	4 3	3 10	3 2	2 10	2 1	1 9	1 1	0 8
Pistol, revolver No. 1—												
Barrels	11 0	10 1	9 3	8 4	7 5	6 7	5 8	4 9	3 11	2 12	1 13	0 15
Gun, Machine, Vickers ·303″—												
Barrels, Mk. II . . .	25 10	23 8	21 6	19 4	17 1	14 15	12 13	10 11	8 9	6 7	4 4	2 2
Gun, Maxim ·303″ and ·303″ convt., Mk. II—												
Barrels	13 0	11 15	10 13	9 12	8 11	7 9	6 8	5 7	4 5	3 4	2 3	1 1
Gun, Machine, Lewis ·303″—												
Barrels	18 4	16 12	15 3	13 11	12 2	10 10	9 2	7 10	6 1	4 9	3 0	1 8
Gun, Machine, Hotchkiss ·303″—												
Barrels	78 12	72 8	65 10	59 1	52 8	45 15	39 6	32 13	26 4	19 11	13 2	6 9

TABLE II.

Schedule of charges for defects to small arms and machine guns.

For what purpose	Rifles, No 1, " No 2, Carbines, Pistols, No 1, Machine guns — Barrels	Rifles. No 1.	Rifles. No 2	Pistols Cylinder	Pistols No 1	Bayonets, No 1	Swords, Cavalry	Scabbards. Swords, Cavalry	Scabbards. Leather Bayonets	Dirks	Lances.	Guns, Machine. Lewis	Guns, Machine. Vickers	Mounting Tripod, M. G., Mark IV.	Boxes, belt ammunition
	Rs A	Rs. A	Rs A	Rs A	Rs A	Rs A	Rs A.	Rs A	Rs A	Rs A	Rs A	Rs A	Rs A	Rs A	Rs. A.
Cleaning	0 4	.	..	0 4	.	..	.	.			..	..	..	..	..
Lapping . . .	0 12	..	..	0 12	..	..	..	..	..	..	..	.	..	..	..
Slight, cord wear, muzzle or breech	0 12	.	.	..	..	..	.	.	..	..	..	.	..	..	..
Slight, cord wear at both muzzle and breech	1 8	.	.	..	..		..	..	.	.	..	..	..	..	..
Barrel, unserviceable through cord-wear, corrosion, cut, bent or bulged.	Unexpired value of the barrel according to Table 1	.	..	.	..	..	..	.	..	..	..	..	..	..	..
Block, band, foresight unserviceable	Do .	.	.	.	..	..	..	.	..	..	..	.	..	..	..
Repair of loose block band, foresight		0 8	0 8		..	..	..	..	..	..	..	..	..	..	..
Replacement and fitting of fore end, No 1	..	4 14	4 14	..	..	.		..	.	..	..	..	..	..	..
Replacement and fitting of butt		2 13	2 13	..	..	..	.		..	..	..	.	..	..	..
Repair to damaged woodwork	.	0 6	0 6	..	..	..	..	.	..	..	.	..	..	..	..

TABLE II—*contd.*

Schedule of charges for defects to small arms and machine guns—contd.

For what purpose.	Rifles, No 1 ,, No 2 Carbines, Pistols, No 1 Machine guns — Barrels.	Rifles — No 1	Rifles — No 2	Pistols — Cylinder	Pistols — No 1.	Bayonets, No 1	Swords, Cavalry	Scabbards. — Swords, Cavalry	Scabbards. — Leather Bayonets	Dirks.	Lances	Guns, Machine — Lewis.	Guns, Machine — Vickers	Mounting Tripod, M. G., Mark IV.	Boxes, belt ammunition.
	Rs. A.	Rs A	Rs A	Rs A.	Rs A.	Rs A	Rs A.	Rs. A	Rs. A.	Rs. A	Rs. A	Rs A.	Rs A.	Rs. A	Rs. A.
Replacement of bolt, breech	..	5 7	5 7	.		..	..	.	..	..	..	..	..	..	..
Replacement of head, bolt, breech	..	3 8	5 14	..	.	..	.	.	.	.	.	.	..		..
Replacement of blade, foresight	..	0 8	0 8	.		..	.		.					..	..
Replacement of shield		.	..	..	3 2	.	.	..	..	.	.		.	..	..
,, cylinder		..	.	..	0 14	..	.	.				.	.	..	..
,, foresight		..	.	..	0 8	.									
Repair of cylinder (burred)	.	..		..	0 6										.
Repair of barrel (burred at muzzle)	..	..	..		0 6										.
Adjustment and re-browning	..	1 14	1 14		1 12							5 0	6 0	..	.
Repolishing . .		.				0 4	0 6	0 8		.				.	.
Resharpening of blade	.	.				0 2	0 6							..	
Repair of damaged cross piece or hilt		.	..			0 8	0 12						..	..	..

Replacement of guard, No 1	..	..	..	..	..		9 12							..	..
Replacement of guard, No 1, 1 P.		.	..		.	.	3 5		.	.		.			..
Replacement of grips				.	.	0 4									..
Re stiffening of blade				.	.	1 6	8 0				.				..
Replacement of leather			.		.				0 11					.	.
Reblocking and dyeing of leathers			..						0 3						
Removal of dents								0 12				.			
Replacement of staves				.							4 0				.
Rusty or damaged steel parts											0 6		.		
Replacement of radiator casing front												6 7		.	
Replacement of radiator casing, rear												50 0			..
Removal of dents and re browning radiator casing front					.							1 8			.
Removal of dents and re browning radiator casing rear												2 0			
Replacement of radiator								.				44 0			.
,, clamping ring												1 9			
,, feed arm												20 0			.
Repairs to damaged bodies									.			2 0			.
Repairs to magazine															
(dented)				.	.	.						0 8			..
(slight brazing)				.	..						.	0 8			..

TABLE II—*concld.*

Schedule of charges for defects to small arms and machine guns—concld.

For what purpose.	Rifles, No 1, „ No 2, Carbines, Pistols, No. 1, Machine guns.	Rifles.		Pistols.		Bayonets, No 1.	Swords, Cavalry.	Scabbards.		Dirks.	Lances.	Guns, Machine.		Mounting Tripod, M. G., Mark IV.	Boxes, belt ammunition.
	Barrels.	No 1	No 2	Cylinder	No. 1.			Swords, Cavalry.	Leather Bayonets			Lewis.	Vickers.		
	Rs. A.	Rs. A	Rs. A.	Rs. A	Rs A.	Rs A.	Rs. A	Rs. A.	Rs. A.	Rs A	Rs A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.
Replacement of barrel casing.	..	..	..	..	..	..	..	..	..	..	..	..	75 0	..	..
Replacement of boss, condenser.	..	..	..	..	..	..	..	..	..	..	..	.	60 0	..	.
Replacement of bracket foresight.	..	..	..	..	..	..						..	55 0	..	..
Replacement of extractor	..	..	..	.	..	..	.	..	..	..	..	..	25 12	.	..
Replacement of muzzle attachment.	..	..	..	..	..	..	..	..	..	.	..	.	32 0	..	..
Replacement of gland muzzle attachment.	..	..	.	..			..	..		.		.	9 4	..	
Replacement of cup muzzle attachment	..	..	..	.		.	.	.	.	..	..	..	2 2	.	..
Replacement of cone muzzle attachment.	..	..	.	.	..		..	..	.	..	.	.	6 0	..	..
Replacement of casing outer muzzle attachment	..	..	..	..	..	.	..	..	.	..		.	10 3	..	..
Replacement of casing lock	..	..		.	.	..	..	..	.	.	.	..	73 12	..	..
Replacement of rear crosspiece.	.	..	..	.	..	..	.	..	.	.	..	..	94 4	..	..

Repair of front legs .	..	..	..	..	..	..	..	..	..	..	..	..	..	0 10	..
„ „ rear „ . .	..	..	..	..	..	..	..	..	.	..	..	..	..	0 12	..
Replacement of front legs	..	..	.	..	..	..	..	..	..	..	..	..	..	20 10	..
„ rear „ .	..	..	..	..	..	..	..	..	..	..	..	..	..	34 8	..
„ crosshead		..	.	..	..	.	..	.	..	.	..	..	..	68 4	..
„ dial, direction	..	.		..	..	..	..	..	..	..	..	..	.	16 4	..
„ „ elevating	.	.		..	.	..	..	..	.		..		..	19 4	..
Repair to damaged or dented boxes, ammunition		..		..	.	..	.	.	..	..	.	.	.	..	0 8
Replacement of straps, supporting lid	.	..		.	..	..	..	..	..	.	..	..	..	.	0 4

Components other than those detailed above found deficient or unserviceable and chargeable to corps will be charged at V. O. S (I) rates.

SECTION VIII.—STATION STORES.

116. Extra horse blankets, when issued to units, should be retained as station stores and brought on units' ledgers to replace condemnations or for re-issue under authority of the Superior Commander.

117. Scales of special station stores are shown in Appendix 1. For stations at which time guns will be fired see Appendix 17.

SECTION IX.—MISCELLANEOUS.

118. C. O. Os. will arrange with District Commanders, the date on which Standing Barrack Committees will be assembled at stations where Khus Khus tatties are authorised (see para 425, R. A. I.) to inspect all tatties on charge of units and decide which are fit for use during the following season, I. A. F. Z-2098 will be prepared by unit commanders showing tatties on charge by sizes, the form being completed and signed by the Standing Barrack Committee.

119. Unit Commanders after taking into consideration serviceable and repairable Khus Khus tatties already on charge, will indent for the number of tatties required to complete scales recommended by the Standing Barrack Committee The indents accompanied by a copy of I. A. F. Z-2151, will be forwarded to the Station Commander, who will collect and forward them in bulk to the C. O. O or O O. concerned, together with a consolidated statement showing number of repairable tatties and new tatties required (in sizes), as soon as possible after the Standing Barrack Committee assembled.

120 The C. O. O., or O O will arrange supply of new tatties, and the repair of the repairable tatties, on unit charge. Serviceable and repairable tatties will be retained in unit charge, for use during the following season, and not returned to arsenals.

121. With effect from the trooping season 1929-30, all British troops, on arrival or enlistment in India, will be credited with Re. 1 for the purpose of purchasing a non-government pattern lock and key ; subsequent replacements will be made by the individual at his own expense

122. Class I warrant officers of British units will be armed and equipped in peace and on active service in the same manner as officers of their unit.

123. To ensure that they are of the same pattern as government arms and do not confer any undue advantage on the user, small arms (including barrels) of service patterns privately purchased may be examined by the I S A. on payment (Re 1 for arms and As. 8 for barrels), if required for use at rifle meetings. The inspection is no guarantee as to the quality of material or standard of workmanship of the rifle. If passed, the arms will be stamped with the "Viewers' mark".

124. Units in possession of trophy fire-arms will have such arms rendered unfit to fire, by the regimental armourer as follows :—

(1) By having two slots cut circumferentially half through the barrel—

(a) One at the juncture of the barrel and body.

(b) One just in front of the backsight.

(2) The striker point will be reduced in length so as to allow of no protrusion.

125. Trophies, except in ordnance charge, will be classed as station stores and borne on station inventory lists under the orders of the Superior Commander, who will be responsible for their safe custody and preservation Trophies in non-military stations will be included in the inventory list of the nearest military station.

126. The Superior Commander will cause all trophies in his charge to be verified once a year.

[illegible]

128. Pails, iron, galvanized with lid will be used for drinking water only, the pails without lids being used for washing purposes.

129. The cost of renewing drumheads and trumpet and bugle strings *that fail to last the prescribed period, will be recoverable from drummers* and trumpeters of British units.

130. To lap a drumhead the head should be steeped in water for 15 minutes, then folded and left for half an hour If left too long in water, the head will waste and become rotten All superfluous moisture should then be removed from the head, which should be lapped well round the flesh hoop, so as to bring the edge of the head well round to the outer side of the hoop. Avoid lapping the head too tight as this draws the hoop out of shape. The head should then be fitted to the drum and left for two or more days according to the weather so that the vallum under the hoop may get thoroughly dry before being taken into use. If this point is not attended to, the head will most likely give away round the edges after the drum is "slung" up ; it is therefore advisable to take the head off and if found to be the least damp round the edge, leave it to get quite dry before putting it on again The drying of the heads will not be hastened by artificial means such as putting by the fire or in the sun ; a cool dry air is best.

131. The following scale of paint is authorised for issue for the painting of steel helmets in use :—

(Section X-2.)

Paint prepared for helmets (R. C. D. shade) . . 5 lb. per 100 helmets annually.

Fired Cases—	
·303″ (ball and blank)	Rs. 10 per 1,000.
·455″, Pistol Webley	Rs. 2 „ „
Signal and illuminating	Rs 10 „ „
Fired Bullets—	
·303″, Mark VII	Rs. 16 pr cwt.
Boxes, bandoliers and chargers—	
Serviceable	75 per cent. of full stock book value.
Repairable	50 per cent. of full stock book value.
Unserviceable	10 per cent. of full stock book value or the amount received at the last auction sale whichever is less.

The condition of the above articles will be entered on the voucher by the receiving arsenal.

These refunds should be claimed on contingent bills supported by vouchers bearing receipts of the arsenal to which the articles were returned.

144. 22-inch empty cartridge cases will be returned to ordnance charge in bulk once annually, being invoiced and received by weight. The total number of these cartridges (excluding fired cases), on charge should never exceed the fixed allotments and Unit Commanders will furnish a certificate on all indents that the balance of cartridges remaining in hand *plus* the quantity under demand does not exceed the maximum allowed to the unit.

145. Fired cases — [illegible]
that grit and dirt ar[illegible]
If live cartridges are [illegible]
to the Superior Co[illegible]
considered necessary. The number of small arm ammunition empty cases returned at one time should be multiples of the number of ball cartridges contained in a full box.

146. Empty metal cartridge cases, ball and blank, except ·22-inch, will be paid for at the rate of Rs. 1-8-0 per thousand. All lead and fired bullets [illegible] turned to arsenal which will grant r[illegible] Mixed and unrecognisable lead, M[illegible] [illegible]e kept separate. The Unit Commander will, after deducting 1/28th for wastage in recasting, recover the value of the balance at the following rates :—

Mixed lead including fired bullets except Mark VII	Rs 11 per cwt.
Fired bullets, Mark VII	Rs. 16 „ „

Brass and copper recovered from projectiles after practice will be received at stock book rates (as published in V. O. S. (I.) without deduction for wastage.

147. If ammunition is returned with the wrappers worn through or illegible, without adequate explanation, the cost will be charged to the consignor.

148. Units, except those dependent on Rangoon Arsenal, supplied with charger loading ammunition will return all surplus empty chargers and cotton bandoliers periodically to the arsenal on which dependent. The chargers and bandoliers will be accounted for by number.

Units dependent on Rangoon arsenal will return their cotton bandoliers only. All surplus chargers will be hammered flat and then buried. A certificate that this has been done will be rendered quarterly by the O. C., unit to the C O. O, Rangoon Arsenal.

149. Fired Q. F. and 1-inch aiming cartridge cases will always be cleaned immediately after firing as directed in Magazine Regulations and disposed of as directed in R A. O. S, Part II, Pamphlet 2. Q. F. 3 7-inch and 4 5-inch howitzer tin cartridge boxes should also be returned.

150. On conclusion of practice, artillery units and defences will obtain disposal orders from the arsenal on which dependent for all fired cartridge cases, (except cases disposed of *vide* para 149), primers and tubes, empty ammunition boxes, fuze covers and cylinders, cartridge clips and unused portion of howitzer cartridges.

151. Units will bring on charge empty fired cases, the number of which must agree with that on the expense vouchers for rounds fired at practice. These two vouchers must be connected up to facilitate audit check. Discrepancies, if any, will be adjusted on I. A. F. A-498, a true copy of which must accompany the units issue voucher when returning the fired cases to the I. A O. C.

152. Cartridge cases issued with practice ammunition will not be retained for use with blank.

153. Artillery cartridges and shells filled with powder will not be emptied prior to return to the I A. O. C. If R A. working parties are required by the I. A. O. C. to empty such ammunition, they will not receive extra duty pay.

154. Whenever stores having memoranda of examination or history sheets are returned, these documents will accompany and be entered on the vouchers.

155. All obturators sentenced for repair will be returned to arsenal packed together with their protecting discs in the "Box, obturator." Any boxes required for this purpose should be obtained from the I. A O. C.

Empty obturator boxes, condemned by an O. M E. as unfit for repair, will be returned to arsenals.

156. Before arms are returned they will be examined and repaired by the armourer. Charges against individuals should be disposed of before the arms are despatched, unless expert opinion on any doubtful point is required in which case the charge will be held over.

The date of issue of the complete arms or barrels to the unit and the factory numbers will be entered on the vouchers. The arms returned will be accompanied by a statement showing the condition of each arm.

The regiment will be charged for work which ought to have been executed regimentally before arms were returned. Should the Unit Commander object to the charge, he has the right of appeal to a station board.

157. Compensation is admissible for service revolvers which are returned to the I. A. O. C. on officers becoming non-effective. The amount will be based on the condition of the revolvers as assessed by the I A. O. C.; part worn serviceable and repairable pistols being valued at 2-3rds and 50 per cent. of V. O. S. rates, respectively. This compensation will only be admissible in the case of officers who are required to maintain a pistol as part of their equipment but have not received a free initial issue from Government. No compensation will be admissible in the case of arms, excluding pistols, issued on payment and subsequently returned to the I. A. O. C. under para 67 (iv).

158. The following special instructions are issued in connection with the disinfection of stores before their return to I. A. O. C.

(i) Water-proof sheets will be disinfected by being thoroughly washed in a 2½ per cent. cresol solution and then, sun dried. On no account are they to be put through a disinfector.

(ii) Mattress cases, pillow cases, sheets hospital and coir, will be disinfected before return to ordnance charge and a certificate given on the voucher by the officer returning them that this has been done. At stations where there are government disinfectors, units will arrange for the disinfection of these stores, but at stations where a government disinfector does not exist but where it is possible to arrange for the process in a privately-owned disinfector, it will be carried out under arrangements to be made between the C. O. O. and the unit.

(iii) All pans privy, tubs urinal, stools close, and similar stores will be thoroughly cleaned and disinfected. Cases of non-compliance will be reported to the Superior Commander.

SECTION XI.—UNSERVICEABLE STORES.

159. Unserviceable arms and components thereof will be returned to the Ordnance Corps immediately replacements are received. These orders are imperative, and the C. O. O. concerned will bring to the notice of the Superior Commander for disciplinary action, any instance in which the return of unserviceable arms and components has been unduly delayed.

160. Any stores returned by units as unserviceable found by the I. A. O. C. to be serviceable or repairable by unit artificers, of non service pattern or which have become unserviceable through ill usage or neglect,

will be set aside and the matter reported by the C. O. O. or O. O. concerned to the Brigade Commander, copy to the D. A. D. O. S. District.

(NOTE —This action will not be taken when the provisions of paragraph 13, Financial Regulations, Part I, have been complied with)

The Brigade Commander will call for an explanation from the unit and after investigation (assisted by the D. A. D. O. S. as necessary) will refer the matter to the District Commander or will give a decision himself. In the event of the decision being adverse to the unit the condemned or repairable stores will be returned to the unit and those issued in replacement returned to the I. A. O. C., the cost of freight being paid by the unit. Where non-service pattern stores have been returned, the unit may be ordered to pay for those issued in replacement. In the case of stores damaged or worn out through ill usage or neglect recovery in accordance with paras. 179 and 180 may be ordered.

161. When the serviceability of a store is open to doubt, as may occur in the case of ammunition, the Unit Commander will attach a report on the facts to enable the C. O. O. or O. O. to arrange for a representative to inspect. If this is done the Unit Commander will not be called upon to defray the cost of carriage unless damage is due to the fault of the unit. This procedure is only to be used in cases where expert decision is required

162. The following special instructions are issued in connection with the disposal of unserviceable, etc, ordnance stores with organizations not administered by the Army Department:—

(i) When ordnance stores (other than technical and warlike stores) issued free of cost, become unserviceable, application on I. A. F. Z-2098 will be made to the nearest C. O. O for his instructions as to their disposal. If such stores are ordered to be returned to t' [illegible]
by the Army (i e.,
the stores are ord
will be credited to the Army.

(ii) Ordnance stores of the abovementioned kind, issued on payment, which become unserviceable, will be disposed of at the discretion of the head of the department concerned, local sale being generally the most profitable method of disposal. If, however, it is desired that the I A O. C should dispose of any of the stores, application will be made to the nearest C. O. O. on I A. F. Z-2098 showing details of the stores. The C O O. will use his discretion in allowing the return of any, or all, of the stores reported for disposal. In the case of local disposal the sale proceeds will be retained by the department concerned. Credit for stores returned voluntarily to the I. A. O C. will be allowed by the Army at the actual sale or scrap value (or where this is inconvenient, at a rate to be assessed by the C O O not exceeding their

approximate sale or scrap value) of the articles less expenses incurred in breaking up the article or preparing them for sale. Freight charges on voluntarily returned stores will be prepared by the consignor.

(iii) Unserviceable technical and warlike stores will be disposed of in the same manner as for the regular army, *i.e.*, indentors will submit to the nearest C. O. O., together with an indent for their replacement, if replacement is necessary, I. A. F. Z-2098, showing the stores for which disposal orders are required. The C. O. O. will give instructions for their disposal locally or return to arsenal as he may consider advisable. Unserviceable guns, machine guns, sights, arms, ammunition, explosives and important components thereof, fired cartridge cases (except 22-inch rim fire) and fired bullets and lead recovered from ranges, must be returned to the Ordnance Corps, except in cases where ammunition and explosives ore ordered to be destroyed locally. The return of ammunition boxes, bandoliers and chargers is not compulsory, but such stores will be accepted by the I. A. O. C., and refunds granted in accordance with para. 143. Freight will be paid on (except for articles the [illegible] which the Army will bea [illegible] stores returned in the [illegible] except where special rates of credit exist, when the latter will apply.

(iv) The repair or replacement of ammunition and stores found by technical inspectors of the Army to be defective will be on payment, unless the inspector certifies that the defect is due to faulty manufacture or causes attributable to the supplying department, in which case the cost of repair or replacement and freight charges will be borne by the Army. Ammunition and explosives that have reached the prescribed age limits, and are sentenced as unserviceable in consequence, will only be replaced on payment.

163. Units in an arsenal station will return unserviceable articles of equipment such as arms, accoutrements, harness and saddlery, and parts of bicycles before issues in replacement are made.

The day and hour for return of unserviceable equipment and for issue of new equipment should be arranged by communication between the C. O. O. and the Unit Commander.

164. Unserviceable government stores which cannot be safely sold will be broken up with such precautions as will ensure their complete aconversion into scrap.

165. All metal parts or mountings of unserviceable accoutrements and harness and saddlery, etc , will be returned by units to the arsenal on which dependent.

166. Anmounting returned (*vide* para. 165), found fit for further use will be re-burnished in arsenal and issued to units as necessary in satisfaction, or in part satisfaction of their annual demands for similar articles for repair purposes.

167. Condemned crockery and glassware will be destroyed beyond recognition in the presence of the condemning officer or board appointed by the unit and a certificate to that effect will be attached to the indent for the articles required in replacement.

168. The sanction of the Ordnance Officer concerned will be obtained on *I. A. F. Z-2098* by all units (except military hospitals) to the retention of condemned articles that can be economically utilized in the repair of other articles. Military hospitals will return all articles of condemned linen, bedding, clothing, etc., to the arsenal or depot on which dependent to be torn up for disposal as woollen and cotton rags

169. For cleaning purposes, Os. C. military hospitals may demand from the arsenal or depot on which dependent old torn up sheeting or old dosootie at the scale of 1-lb. per bed per quarter. Materials (including condemned clothing and linen) required for repairs may be demanded by military hospitals free on an " as required " basis.

170. The units enumerated below may retain one unserviceable ' sheet, ground ' annually, for conversion into two aprons for the use of armourers when handling acids in connection with the periodical browing of arms. The cost of conversion will be borne regimentally.

Infantry Battalions.

Cavalry units.

S. & M. Troops and Companies.

A. C. Companies, R. T. C.

Signal Units

171. A refund at the stock book rate *plus* 5 per cent. departmental charges will be granted to Indian State Force units for all plugs removed from gun ammunition returned to the I. A O C. in a condition which enables them to be used again. Plugs returned with burred threads, or which are in any way damaged, will be classified as unserviceable, and the refunds to be granted on this account will be made at a rate to be assessed by the Chief Ordnance Officer according to the condition of the plugs at the time of their return.

172. A credit at the actual sale or scrap value (or where this is inconvenient at a rate to be assessed by the C O O. not exceeding the approximate sale or scrap value) of the articles, less expenses incurred in breaking up the articles or preparing them for sale, will be afforded to the R. A. F , R. I. M. and M. E. S. in the case of unserviceable stores (for which a debit was raised on issue) returned to the I. A. O C by these formations. Freight charges on returned stores will be charged to the R. A. F., R. I. M. or the M. E. S. as the case may be.

SECTION XII.—PACKING MATERIALS.

173. The stores which have to be returned by units being necessarily [illegible]

[illegible] units will, therefore, ensure that packages on receipt are carefully opened and all gunny, string, nails, screws, etc., are salved for eventual re-use.

174. In special cases where the packing materials salved for re-use are found insufficient, an indent for the additional requirements, including packing cases, will be preferred on the arsenals concerned with the reasons for demand. If the Chief Ordnance Officer of the arsenal is personally satisfied with the explanation given the materials indented for, will be issued to the units concerned on regular vouchers. For reasons of economy a Chief Ordnance Officer may direct the Ordnance Officer of a dependent depot to make the issue on his behalf.

175. Stores issued under para. 174 should not exceed the financial powers of the Chief Ordnance Officer. When, however, the cost of stores demanded does exceed the Chief Ordnance Officer's financial powers, sanction of the competent financial authority will be obtained.

176. To prevent undue accumulation of packing cases units will periodically obtain, on I. A. F. Z.-2098, orders for their disposal from the Ordnance establishment concerned. Drums will be returned immediately they are empty.

Unserviceable packing cases being returned to the I. A. O. C. will be ' nested ' to save bulk in transit.

177. Arm chests or cases required for the carriage or package of arms or stores will be obtained from the nearest arsenal. On arms and machine gun chests being emptied, their fittings and screws will be securely replaced.

SECTION XIII.—LOSSES.

178. The consignee is responsible for investigation and adjustment of all losses in transit, as laid down in R. A. I., Chapter XV.

An immediate report will be made by telegram to the issuing establishment in all cases where deficiencies are discovered in consignments, issued by ordnance establishments, or arms ammunition, etc., referred to in R. A. I. and I. A. F. Z-2000, and the orders laid down in those regulations will be carried out at once.

179. The procedure to be followed for the replacement of articles lost or damaged, for which the competent financial authority orders cash recovery to be made from an individual or unit held responsible for the loss, will be found in para. 347, Financial Regulations for the Army in India, Part II.

In the case of stores damaged, where the cost of repair is payable by a unit or an individual, recoveries will be made in accordance with para. 45, Financial Regulations for the Army in India, Part I.

180. For the purpose of recoveries to be effected from units or individuals on account of losses of ordnance stores, such losses will be assessed on the unexpired value of the stores, calculated on the life of the article against the period it has been in use after the date of issue new from an arsenal in accordance with paras. 115 and 228. Repairable articles, will have their value calculated at two-thirds of the rate for a serviceable article, reduced with reference to the period in use, while for stores lost or done away with after having lasted their prescribed periods of wear, the penal recovery will be made at the minimum of *one-tenth of their stock book rate, plus 5 per cent. departmental charges,* except in cases where special legislation exists to the contrary, *e.g.* small arms.

Where sufficient data is not available for the value to be assessed the amount to be recovered will be 50 per cent. of the stock book rate subject to the proviso that, where subsquent evidence proves this charge to be in excess of the actual value of the stores at the time of loss, the difference will be refunded to the individual concerned. Should, however, it be subsequently discovered that these stoppages awarded do not cover the assessed value of the article lost, the sum short-recovered will not be deducted from the unit or individual concerned.

181. Deficiencies in small arm metal cases should be dealt with as laid down in Financial Regulations, India, Part I. Quarterly reports of all losses dealt with under powers of the competent financial authority will be submitted to Brigade Commanders concerned as directed in I. A. F. Z-2000 (Regimental Section).

SECTION XIV.—AMMUNITION.

182. A copy of the rules for the storage of ammunition (I. A. F. O-1416) will be hung up in each magazine and small arm ammunition store.

183. Ammunition registers, I A. Fs O-2475 to 2481, will be kept up to date.

184. So far as possible, each brigade of artillery will have only one lot of 101-E. fuzes on charge. To enable this position to be maintained, artillery units, moving in relief with equipment from one area or supply to another, will exchange its 101-E fuzes with those in possession of the relieving unit under orders of the C. O. O. concerned.

185. 101-E fuzes for conversion to 109-E for practice will be selected from the oldest and smallest lots in ordnance charge

186. To effect correct turnover, the oldest dates of gun and howitzer ammunition will be expended by R. A. units and defences at practice, in the absence of orders to the contrary and subject to the disposal of small lots that do not group. (By small lots that do not group is meant—small lots which cannot be grouped together for purposes of proof in accordance with the various regulations on the subject in R A. O. S ,

Part II. Generally, stores of different natures or marks and bearing different makers initials or of ages differing by more than six months are not to be grouped together.)

187. When gun ammunition is sentenced for early expenditure, it will be issued by the C. O. O. to units for this purpose. In such cases, batteries will be notified and the issue vouchers will be clearly marked "For early expenditure". Such ammunition is to be fired off first, even if ammunition of an older date is on charge.

188. To effect the turnover of ammunition on charge of ammunition columns, batteries will draw from ammunition columns for practice, as detailed in the India Army Order issued each year on the subject of practice ammunition, and ammunition columns will recoup from arsenals. In the event of ammunition colums being unable to meet the full demand, Os. C. ammunition columns will prepare unsigned indents for the balance and forward them to the Os. C. batteries, who will submit them to the arsenal on which dependent.

189. Responsibility for effecting turnover in units rests with Unit Commanders

Superior Commanders will arrange for the turnover of ammunition in defences.

190. On the conclusion of his inspection, the I. O. O. will include, in his narrative report, his opinion as to whether turnover of ammunition has been effected correctly or not and a note to the effect that this has been done will be endorsed on every detailed report.

191. All batteries, whether on the lower or higher establishment, will hold in peace their full quota of ammunition, including the scale for I. S Sections.

192. Service gun ammunition will not be carried by mechanized R. A units and columns in peace time, except for gun practice or when specially ordered. Any ammunition so carried will be inspected by an I. O. O on conclusion of the exercise.

When full loads are required for training purposes, weights will be made up with any type of ballast available.

193. Batteries of mobile artillery ordered on service will take with them the fuzes in their possession provided,—

(a) That, whether percussion or time and percussion fuzes, they are not more than three years old, according to date of manufacture.

(b) That, in the case of T. and P. fuzes assembled in the shells, the covers are intact and in good and clean condition.

(c) [illegible]

194. Serviceable Q. F. and B. L. ammunition boxes, fuze, tube, shell and cartridge boxes, and metal lined cases, will be accounted for and returned to the supplying establishment as soon as possible after the contents have been expended. Unit Commanders will ensure that no packages of the above descriptions are condemned unnecessarily.

195. All possible precautions will be taken to prevent loss and to effect recovery of empty cartridge cases.

196. All fired friction tubes should be immersed in mineral oil within 24 hours after firing.

197. Artillery units at stations distant from an arsenal, may be allowed by Superior Commanders a reserve of one year's supply of blank ammunition for firing salutes.

For the scale of artillery blank ammunition allowed as a pool annually to Commands, for use at manœuvres, etc., see Appendix 45.

198. The scale of stores admissible for the destruction of blind shell and trench mortar bombs and defective grenades are given in Appendix 6.

199. The following is the procedure in regard to fuzing of shell in peace and war :—

I. IN PEACE.—

(a) All shell are carried plugged by units, except :—

(i) Those in carriage limbers of Horse and Field Batteries.

(ii) 28 rounds per piece in 2·75-inch and 16 rounds per piece in 3·7-inch Mountain Batteries.

(iii) Such additional rounds of shrapnel and H. E. as may be ordered by General Officers Commanding in accordance with local conditions.

(iv) Practice ammunition when proceeding to practice.

(v) On active service

(b) All shell are held plugged in arsenals

(c) All shell are issued from factories plugged.

II. IN WAR.—

(a) On mobilization all shell in Mountain, Horse, and Field Batteries and Ammunition Column (except Medium) will be fuzed by units and carried fuzed. If subsequently ordered overseas, the shell will remain fuzed for transportation

(b) B. L. 60-pdr. and 6-inch Howitzer Batteries will fuze shell as required, but will not necessarily carry all their shell fuzed

(c) Arsenals will fuze shell for Mountain, Horse and Field Batteries, for issue to units in a frontier war.

(d) Shell for shipment overseas will be shipped plugged ; and with the exception of B. L. 60-pdr., and 6-inch Howitzer, will be fuzed by the Ammunition Section at the base.

(e) Shell will be issued from factories fuzed, except B. L. 60-pdr. and 6-inch Howitzer shell and shell for shipment overseas.

200. The following special instructions are issued in connection with the issue of S. A. A. :—

(i) With the exception of ·22-inch cartridges, the first issue of S. A. A. will be made in advance of requirements; thereafter ammunition will only be issued in exchange for an equivalent number of fired cases.

(ii) The voucher number and date under which the fired cases have been returned to the I. A. O. C. will invariably be quoted in column 6 of indent for S. A A.

(iii) In the case of indents for the annual allowance of pistol ammunition for medical and veterinary officers, and officers and other ranks of departments, a certificate of the numbers who actually fired the annual course will also accompany.

(iv) When S. A. A. has been fired in the air by Royal Air Force units, and the equivalent number of fired cases cannot be returned, the indent will be supported by I. A. F. A-498 signed by competent financial authority and endorsed with the following certificate :—

"CERTIFIED that No. rounds have been expended from the air and that only No. empty cases have been recovered This number has been despatched to the Ordnance Corps on voucher No. , dated ."

(v) The total quantity of S. A A *plus* fired cases on charge, less fired cases awaiting return to arsenal by full wagon in accordance with R. A I., paragraph 611-A, should never exceed the fixed allotment, and the Unit Commander will furnish a certificate on all indents in the following form :—

"CERTIFIED that the balance of cartridges and fired cases remaining on hand, *plus* the quantity under demand less fired cases awaiting return by full wagon on Voucher No. date does not exceed the maximum allowed to the unit."

(NOTE.—These orders do not, however, apply in the case of units in the Waziristan District who may demand ammunition, as required, up to their fixed allotment, on furnishing a certificate on the indents that an equivalent number of fired cases will be returned in due course)

(vi) Issues of ball and blank S. A. A. will be in complete boxes to the nearest number of rounds. The only cases of issues in part boxes should be :—

(a) Issues to individuals.

(b) Pistol ammunition issued for departmental ranks, but in no case should a packet be broken into. Buckshot ammunition should be issued to the nearest number of full packets.

(vii) To avoid depleting the amount of practice S. A. A. maintained in regimental charge Unit Commanders should indent for ammunition whenever they have expended six boxes out of their fixed allotment. Units in the Secunderabad Area will obtain their ball S.A.A. for practice from the Officer-in-charge, Fort Armament, Secunderabad, under

arrangements made by the Superior Commander. Ammunition accounts will be maintained by the Officer-in-charge, Fort Armament, Secunderabad.

Units in Bangalore will obtain their ball S.A.A. for practice from the Officer-in-charge, Fort Armament, for which purpose two hundred boxes will be maintained in the Agram Entrenchment Ammunition accounts will be maintained by the Officer-in-charge, Fort Armament, Agram Entrenchment.

(viii) In the case of necessity, S. A. A. may be issued on receipt of a telegram from the demanding officer to the effect that the equivalent number of fired cases has been despatched to the supplying establishment.

201. The distribution in peace of S. A A. and the fixed allotment of practice ammunition is laid down in Appendix 4.

202. Practice S A. A. will be held in unit charge in the case of both British and Indian units. In normal circumstances the maximum quantity to be held on charge at one time will not exceed the fixed allotment The amount of practice ammunition held on charge by Indian units should not fall below the total of emergency ammunition authorised therein

In the case of Indian Infantry units in arsenal stations, a working balance of 15 boxes may, at the discretion of Superior Commanders, be held in unit charge.

Indian units located at non-arsenal stations will hold on charge in addition to the fixed allotment the practice ammunition authorised for reservists. On special occasions and for a specific period, *e g.*, annual training camp, Superior Commanders may authorise a maximum of 100 boxes to be held on charge.

203. Detachments at out-stations should be in possession of their authorised proportion of practice S. A A. which will be provided from the regimental allotment.

204. The fixed allotment of practice S. A. A is the total number *of cartridges and fired cases that may be held on charge at any one time,* from which practice requirements are drawn. The term "fixed allotment" should not be confused with the allowances of practice S. A A. shown in Equipment Regulations, India, Part 2, and Army Instructions (India) which are only intended to indicate the number of rounds that may be expended for the particular purpose for which they are authorised

205. The O. C. reservists at the training station will, on the commencement of the training period, draw from the arsenal the full authorised allowance of S. A. A. for each reservist, and return any unexpended balance at the conclusion of the training, except loose rounds which should be expended at practice by the unit or depot at the station.

206. The Commandant, Kurram Militia, will draw S. A. A. from their reserve store in Fort Parachinar. Indents will be submitted on the Rawalpindi Arsenal, the C. O. O. of which will arrange for the issue by the Officer in charge of the reserves at Fort Parachinar.

207. When such a large quantity of blank S. A. A. is required for manœuvres that it cannot be found from unit's ordinary allotments, G. Os. C. will submit indents for the quantities required and such indents will be complied with without prior return of a corresponding number of fired cases. G. Os. C. will be responsible for the early return to arsenals of the fired cases and unexpended rounds of ammunition thus supplied. As much notice as possible of such requirements should be given to arsenals to enable the supply from factories to be regulated accordingly.

208. Secretaries of rifle meetings requiring a hundred or more boxes of S. A. A. will apply to the D. O. S. two months before the meetings take place for the total quantity of ammunition required. S. A. A. for small rifle meetings will be obtained direct from the nearest arsenal, and that for district and station revolver clubs from units at the station. The empty cases will be returned to the supplying arsenal or units. The issues made to regimental teams by secretaries will be equivalent to an issue made to a unit by an arsenal and the transaction will be accounted for in the equipment ledgers of the units concerned supported by issue vouchers. Any discrepancy between the number of rounds of ball issued to, and the number of empty cases returned by the team, will be accounted for by the unit concerned which will, if necessary, obtain the sanction of the G. O. C. to any loss incurred being written off.

Ammunition for rifle meetings is specially selected. The dates of manufacture of such ammunition is notified from time to time in India Army Orders.

209. [illegible] rom their own [illegible] the same wa[illegible] de- scription other than that in use by the unit be supplied on payment to a regimental officer, it will be brought on charge in the unit's equipment ledger.

210. Units that are authorised by E. R. (I.), Part 2, to purchase ·303-inch ball ammunition at half price may, at the discretion of the Unit Commander, also purchase pistol ball ammunition at half price, provided the total expenditure at concession rates on rifle and pistol ammunition does not exceed the allowance already authorised for rifle ammunition. The quantity of pistol ammunition that is purchased will be deducted from the quantity of rifle ammunition so authorised at the ratio of 2 to 1 in lieu of rifle ammunition.

211. Subject to any special orders which may from time to time be issued by Army Headquarters, the S. A. A. ball to be expended at prac

tice will be taken from that already in possession of troops and that received from the Ordnance Corps in the following order :—

(i) The contents of broken boxes, *viz.*, boxes, the tin linings of which have been opened, and loose rounds.

(ii) Ammunition examined and rebundled or repacked at the Ammunition Factory. Boxes containing this ammunition bear the words "Examined (year)" on the labels. This ammunition will be used up in the order of date of examination.

(iii) Other ammunition, the oldest to be used first.

212. Rim-fire and blank ammunition will be expended in order of the priority of date of manufacture.

The linings of boxes are not to be disturbed until the ammunition is actually required for use.

213. The S. A. A. account of a unit will be audited on I. A. F. O-1444, by a regimental board as follows :—

(*a*) On the last day of the weapon training year as fixed by G. Os. C.

(*b*) Just before a unit quits a station.

All practice S. A. A. which is unexpended at the close of the financial year will be surrendered. Practice S. A. A. which becomes surplus during the financial year will be expended by Unit Commanders in further training or re-allotted to other units by G. Os. C.-in-C. Commands, and District and Independent Brigade Commanders. The authority for such re-allotment will be attached to the proceedings of the board in which the expenditure is accounted for to the C. M. A.

This extra ammunition is not to be demanded separately from arsenals, but will be taken from the ammunition held on charge for practice purposes in accordance with the Equipment Regulations, Part 2, of the unit concerned and replaced in the ordinary way similarly to the annual allowance of practice ammunition, *i e.*, in exchange for an equivalent number of fired cases or to replace losses written off under the sanction of competent financial authority.

214. The annual test of cartridge signal and illuminating will be carried out in arsenals and ordnance depots during July. Demands for the annual practice allowance of these cartridges, therefore, will be submitted by units on 1st of August

Units holding cartridges signal and illuminating as mobilization equipment will exchange them annually on receipt of their annual allowance, expending those withdrawn from mobilization equipment on practice.

Where exchange with practice ammunition cannot be carried out (as in the case of post stores) action will be taken in accordance with paragraph 222, the exchange of cartridges being carried out by C. O. Os., after the annual test of arsenal stocks.

215. When S. A. A. is found to be defective, the place and date of manufacture marked on the box are to be noted. The rounds complained of, together with their wrappers, charger cases or bandoliers, as the case may be, and the arms with which the failure occurred, will be examined locally. If confirmed, a report will be made as laid down in paragraph 229.

In the case of hangfires or bursts, by which latter term is meant a rupture of the metal in the body of the case and not a split at the mouth which is of no importance, no action need be taken unless more than one per cent. of these defects occur. On receipt in arsenals the ammunition will be tested as laid down in R. A. O. S, Part II, Pamphlet No. 6.

216. Defective S. A. A. will invariably be replaced before being returned to ordnance charge.

217. The scale of signal pistols and cartridges is laid down in Appendix 2.

218. The scale of grenade equipment is laid down in Appendix 3.

SECTION XV.—DUTIES OF ARMOURERS.

219. The duties of armourers are laid down in "Instructions for Armourers".

220. A list of repairs which regimental armourers should be able to carry out and also those which should not be attempted regimentally is given in Appendix 29 It is the duty of an armourer not merely to carry out any particular repair to a small arm, machine gun, mounting or bicycle for which it may have been sent to him, but to ensure that the article is serviceable in every respect before it leaves his hands.

221. For the tools and materials comprising a set of Armourers' tools (except artillery units) and the conditions under which issued and replaced, see Appendix 9, Table 1.

222. Armament artificers are authorised to carry out minor repair to small arms of that unit. Armourers' tools and materials, according to the scales shown in Appendix 9, Table 2, are authorised for the purpose of enabling battery fitters of the R. H. A. and brigade fitters of other artillery to clean rusty or corroded rifle barrels and chambers, to remove nickel fouling and broken or jammed pullthroughs from barrels and to examine bolts and striker points for serviceability.

223. In each British cavalry or infantry regiment the Armourer-Serjeant will train two non-commissioned officers and, at least, four privates per squadron or company. A soldier who has qualified at an arsenal will be appointed assistant armourer.

In an Indian cavalry or infantry regiment, the head armourer is designated armourer dafadar (havildar). He will hold a certificate as a first class armourer and will train two non-commissioned officers and four men per company (in the case of training battalions six per company).

The C. C. M. A. at his inspection will report on men undergoing training in armourers' duties under regimental armourers.

224. Application to send men to an arsenal should be made in Memo. form. B. O. Rs. selected should have undergone a course of instruction under the armourer sergeant and be chosen for their aptitude for the work. Men with knowledge of a trade such as blacksmith, turner, etc., are preferred. I. O. Rs. should be selected for their intelligence. They should also be able to read and write in the vernacular, and have undergone a course of instruction under the regimental armourer.

225. When an armourer hands over charge, a regimental board will assess the amount to be paid by him to make good any loss, injury, or deterioration of the appliances, and tools not due to fair wear and tear or expended in the repair of service arms In the case of decease it will be recovered from his estate.

226. A reserve of armourer-serjeants is maintained in India and employed in arsenals. When a Unit Commander requires an armourer-serjeant, he will apply direct to the D. O. S., A. Hqrs.

227. Regimental armourers and authorised enrolled men only will be employed in armourers' shops. Outside labour is forbidden.

SECTION XVI.—PERIOD OF WEAR.

228. The following table shows the periods of wear of various articles of equipment :—

Table showing periods of wear of articles of equipment

Description of Stores	Period of wear.	REMARKS.
	Years	
Section A-1		
Aprons—		
Bass drum, brown, leg brown	5	
Bandoliers—		
90 rounds or 50 rounds	6	
70 rounds	5	
Belts—		
Shoulder, brown, P A	7	
Waist—		
B E, leather	6	
Black (or brown), I. O	10	
Buff, M. S.	8	
W E.	4	
Bottles, water	5	
Braces, with buckle	4	
Bugles	6	
Caps, hand, axe, farriers	5	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
	Years.	
Section A-1—contd.		
Carriages—		
Colour brown	7	
Drum	7	(bass or side).
Carriers—		
Cartridge	3	(75 rds. or 60 rds).
Great-coat, I. P.	5	
Water-bottle, W. E.	3	
Cases—		
Drum	6	(bass or side).
Pistol, Webley	7	(with leather loop or brass hooks)
Chapes, waist belt	4	
Covers, mess-tin, I. P.	4	
Drums—		
Bass, sticks	10	
Side—		(or bass).
Heads	2	
Sticks	10	
Sticks	10	
Side, G. S. or bass	10	
Flutes	6	
Frogs—		
Brown, bayonet	7	
Web bayonet	3	
Haversacks, W. E.	6	
Knots, sword—		
Brown	6	
Buff	6	(B. G. or M. S).
Lanyards, pistol	3	
Packs, W. E.	6	
Piccolos	6	
Pouches, ammunition—		
Pistol, Webley	7	(With leather loop or brass hooks).
Pouches, magazine, Lewis gun	4	
Slings, rifle	3	
Straps—		
Brown—		
Great-coat and mess-tin, M. S.	6	
Web supporting	5	
Strings, bugle and trumpet	2	
Tins, mess	3	(M. S. or D. S.).
Trumpets	6	
Whistles	12	(Artillery or Infantry).
Section B-1.		
Bayonets	12	Scabbards 8 years.
Bottles, oil	8	
Pullthroughs—		
Cord and gauze	½	
Weights	8	
Rifles, No 1	12	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	Remarks.
	Years.	
Section B-2.		
Dirks	12	Scabbards 8 years.
Lances, flags	2	
Pistols, revolver, No 1	12	
Protectors, hammer	5	
Rods, cleaning	15	
Swords, and scabbards	12	Scabbards, P. A. 5 years only.
Section B-3.		
Actions, skeleton	12	
Aim-correctors	5	
Bellows, armourers	5	
Braces, armourers, bits	10	
Chests, S. A.—		
Nos. 1, 8 and special	8	
No. 12	10	
Clams, armourers	1	
Implements, action, No. 1	10	
Rifles, No. 1, D. P.	12	
Screwdrivers, armourers—		
Large	6	
Small	3	
Stones, oil, armourers	7	
Tools—		
Armourers, sets	18	
Bore—		
Bits	5	
Bushes and rods	10	
Sight, line	10	
Troughs, scalding, I. P.	10	
Section B-4.		
Bayonets, M. H.	13	Scabbards 5 years.
Jags, M. H.	10	
Lances, body-guard	10	
Muskets, ·476 bore	12	
Rifles, S. L.	12	
Section C-2.		
Bicycles	6	
Section D-1.		
Bags—		
Intrenching tools, I. P.	5	
Nose	2	
Bits—		
Bridoon	12	
Portmouth—		
B. G.	12	
Heads, bridle, S. U	5	
Reversible, S. U.	12	
Blankets, saddle	3	
Breast-plates —		
B. G., I. P and S. U.	6	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
	Years	
Section D-1—contd.		
Breechings—		
H. P. D., I. P., P. A., I. P. and P. S., I. P.	6	
P. G. S.	5	
Bridles—		
Cord breaking, and mouthing bits	12	
Mouthing heads bridle, and reins	6	
Snaffle, I. P. bits, heads bridle and reins	6	
Watering bits	1	
Brushes—		
Harness, hard, and horse	1	
Buckets—		
Lance	6	
Rifle and signalling flag	5	
Caps, knee horse	12	
Cases—		
Breech mechanism	7	
Horse shoe, S. O. and S. U., I. P.	6	
Pioneer equipment, P. C.	5	
Cavessons	6	
Chains, collar, S. O.	10	
Clippers, horse and mule	1	
Collars—		
Breast—		
H. P. D.	5	
P. A., I. P., P. C., I. P. and P. G. S.	6	
Head—		
P. A., I. P.	7	
P. G. S., I. P.	4	
S. O.	5	
S. U.	4	
Headstall, S., camel	2	
Combs, curry	1	
Crosstrees, automatic	10	
Cruppers—		
Breaking	12	
R. G., P. A., I. P. and P. G. S.	6	
P. G. S.	5	
S. O. and S. U.	6	
Fringes, eye, P. A.	1	
Girths—		
Breaking	12	
P. A., I. P. and P. G. S.	5	
S. O.	2	
S. U. and sowar, R. G.	5	
S. camel	4	
Heads, bridle, S. O.	5	
Headstalls, G. S.	2	
Hobbles	12	
Leathers, stirrup, S. U.	4	
Leggings, drivers	2	
Machines, horse clipping	4	
Martingales—		
Running and standing	3	
Neckpieces, pole bar	6	
Numnahs, sowar, R. G.	3	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
	Years.	
Section D-1—contd.		
Pads—		
Collar	3	
Driving, breaking and vaulting	12	
Girth, P. A., I. P.	6	
Roller, G. S.	2	
Pannels—		
P. A., I. P., P. C., I. P. and S. U., I. P.	6	
Pickers, hoof, I. P	5	
Pieces, buckling, martingale	6	
Racks, intrenching tools, I. P.	5	
Reins—		
Bearing, breaking and cord driving and breaking	12	
Bit, S. O.	5	
Bit, S. U.	4	
Driving long and leading, P. A., I. P.	5	
Rubber and running riding	12	
S., camel	1	
Web, driving, breaking, I. P.	12	
Rings, reins, driving	3	
Rollers, G. S.	2	
Saddles—		
P. A., P. A. D., and P. G. S., I. P.	10	
Ridings, S., camel	12	
S. O. and S. U.	10	
Scissors, trimming	3	
Slings, horse, V. H.	2	
Sponges	1	
Stirrups, steel	10	
Straps—		
Baggage, P. A., I. P.	5	
Baggage	6	
Cloak and wallet, S. O. and collar, chain, S. O.	5	
[illegible]	5	
[illegible]	5	
[illegible]	5	
[illegible]	6	
[illegible]	5	
[illegible]	3	
Neck, martingale	6	
S. U.	6	
Throwing	12	
Wheels, P. A., I. P.	6	
Surcingles—		
B. G.	6	
S. O. and S. U.	5	
Traces, wire and tugs, neck-piece	6	
Wallets—		
S. O.	5	
S. U.	6	
Whips—		
Drivers and driving and longeing	5	
Drivers, I. P.	2	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
	Years.	
Section D-2		
Valises, horse shoe	5	
Section E-1.		
Brushes, water carriage	1	
Covers, rifle	5	
Felloes, poles, draught and spokes	7	
Section E-3.		
Hand spikes	2	
Jacks, lifting	10	
Tackles, luff, blocks	10	Cordage 5 years.
Targets, dummy, marking	2	
Section F.		
Adzes, Indian	7	
Anvils	20	
Aprons, canvas or leather	½	
Augers (and handles)	4	
Awls, blades—		
Brad, harness and pannel	3	
Buckling, drawing and garnishing	4	
Awls, handles—		
Drawing, harness and pannel	½	
Axes, hand, 3-lb.	5	
Bags, tool	5	
Bellows, braziers, smiths	4	
Bevels, steel, blade, slotted	• 10	
Blocks, anvil	10	
Bones, rubbing	4	
Braces, carpenters and bits	4	
Braces, ratchet	10	
12 in. drills	4	
9-in. drills	2	
Braces, smiths, bits and rimers	6	
Brushes, sable, writing duck, sash and paint oval	1	
Buffers, farriers	12	
Callipers]	20	
Cans, oil, lubricating	4	
Cases, shoeing tools	5	
Cases, saw	5	
Chests, tool, filled	20	
Chisels—		
Coachmakers, cold, cross-cut and engraving	4	
Farriers, handled	6	
Rivet head, ripping and smiths	4	
Clams, saddlers	8	
Claws, nail	5	
Compasses, wing	10	
Cramps—		
Carpenters	12	
Fitters	10	
Creases, double and single	8	
Crowbars	10	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	Remarks.
	Years.	
Section F—contd.		
Cutters, anvil—		
Flat	2	
Half round	½	
Diamonds, glaziers and dividers spring	10	
Drifts, brass and steel	3	
Drills—		
Stock	10	
Twist	2	
Files (all sorts) and handles	2	
Flatters	3	
Forges, field	10	
Fullers, smiths	3	
Gauges, carpenters	5	
Gimlets, twist	3	
Gouges, handled firmer	3	
Grindstones—		
F S.	7	
Stones, 24-in. and 30-in.	4	
Troughs	5	
Groovers	5	
Hammers—		
Claw	10	
Boiler-makers, riveting, ball pane	5	
[illegible]	5	
[illegible]	5	
[illegible]	4	
[illegible]	5	
[illegible]	5	
Handles	2	
Holdalls	5	
Holders, file and rivet head	3	
Irons—		
Branding	2	Figures and letters.
Bricking	6	
Soldering straight—		
1¾-lb	10	
2½-lb.	5	
Knives—		
Drawing	2	
Gauge	6	
Half-round and head	3	
Laboratory	5	
Searching	1	
Trimming	2	
Lamps, brazing	10	
Lathes, engineers, foot, 5-in. centre	20	
Lead, punching saddlers	10	
Levels, spirit, adjustable and block	10	
Mallets	2	
Marline spikes	10	
Nail pullers	5	
Needles—		
Collar half moon and packing	5	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
	Years.	
Section F—contd.		
Needles—		
Darning	3	
Harness	1	
Saddlers and sail-makers	2	
Nippers	5	
Oilstones	6	
Palms, saddlers and sailmakers	5	
Pencils, carpenters	1	
Pincers—		
Carpenters	5	
Farriers and saddlers	4	
Planes	7	
Plates—		
Screw, B. A. thread	6	
Surface	10	
Stencil	12	
Pliers—		
Eyelet	10	
Flat and round nose	7	
Side-cutting	3	
Pots, glue	10	
Pritchels	10	
Punches—		
Carpenters, pin, round and tinmans	5	
Leather and steel	2	
Smiths	6	
Spring	10	Cutters 3 years.
Rasps, farriers and shoemakers	1	
Rimers—		
$\frac{1}{8}''$, $\frac{3}{16}''$, $\frac{1}{4}''$ and $\frac{5}{16}''$	1	Parallel and
$\frac{3}{8}''$, $\frac{1}{2}''$, $\frac{5}{8}''$ and $\frac{3}{4}''$	2	tape*.
Wrenches	6	
Rods, smiths	4	
Rules—		
Box-wood	4	
Brass and steel	10	
Saws—		
Compass, frame, hack and hand	3	
Tenon	4	
Scissors, 8-in. and 9½-in.	5	
Screwdrivers—		
A. A. and G. S. and London	12	
Watchmakers	2	
Scribers	6	
Sets, saw	3	
Shaves	2	
Shears	1	
Snips	3	
Spanners, adjustable and double ended	10	
Spokeshaves	3	
Squares—		
Box, fitters and smiths	10	
Carpenters	5	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
	Years.	
Section F—concld.		
Stamps—		
Farriers	1	
Steel	12	Figures, letters and $\frac{1}{8}$"*.
Steel, for wood	12	Dash lines, figures and letters
Stones—		
Rag and rag farriers	2	
Sharpening	3	
Straight-edges, steel	10	
Thimbles, tailor	6	
Tongs—		
Farriers, fire and turning medium	4	
Farriers, turning, large and medium and smiths	6	
Wheelers fitters	4	
Tools—		
Edge	3	
Set	10	
Tools, screwcutting bolt and nut—		
B. A. field, Mk I—		
Chest, empty	10	
Plates, taps and wrenches	6	
Mk. III—		
Chest (empty or filled)	10	
Dies, spanners, stocks, taps and wrenches	6	
Valises, tool	5	
Vices	10	
Wheels, travelling	6	
Section G-1.		
Padlocks—		
Brass and iron	5	
I. G	6	
Section H-2		
Cordage	5	
Line, hemp and lines, hambro	3	
Skins, chamois, leather	1	
Section J.		
Axes—		
Felling	7	
Cases	6	
Hand	7	
Pick, heads	8	
Bags, charcoal, P. A.	7	
Bags, half wroughts	7	
Cases, hand axe and bill hook	6	
Cloths, feeding	1	
Colours, camp, I. P.—		
Flags, or poles	2	
Covers, waterproof	3	
Dabs	10	
Scabbards	3	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	Remarks.
	Years.	
Section V-1—contd.		
Sights, R. L., telescopic	5	
Sights, dial, No. 7 (and components) . . .	5	
Stands—		
Director, F. A. telescope and telescope . . .	10	
Tools, No. 7 dial sight	[illegible]	
Section V-2.		
Barometers, aneroid, and thermometers, survey .	10	
Compasses—		
Magnetic and prismatic	10	
Instrument, drawing	10	
Tapes, measuring—		
Metallic woven and steel	5	
Watches, stop	5	
Section W-1.		
Picks, miners, heads	5	Helves 4 years.
Sandbags	1	
Section Y.		
Cans, oil, ½-gall.	7	
Cases, message book	7	
Flags, signal army	2	
Megaphones	4	
Section 14.		
Straps, securing	5	
Spanners	7	
Yakdans, stationery	1	
Section 16-A.		
Caps, joint breech or chase	7	
Section 17-A.		
Gauges, striker, protrusion	10	
Section 17-B.		
Drifts	7	
Lanyards, firing	5	
Wrenches, R. M.—		
No. 77	7	
No. 90	10	
Section 18-A.		
Rimers, vent	7	
Section 18-B.		
Bits, vent	7	
Spikes, gun, common	10	
Section 19.		
Boxes, lamp, siege	7	
Brushes	2	
Brushes, piassaba	5	
Caps, sponge	1	

Table showing periods of wear of articles of equipment—concld.

Description of Stores.	Period of wear.	Remarks.
	Years.	
Section 19—concld.		
Cases, No. 8-A or 17 cleaners	5	
Cleaners, piassaba and wool	2	
Covers—		
Breech or muzzle	5	
Lamps, siege	7	
Ropes, drag	4	
Section 20.		
Felloes and spokes	7	
Targets, artillery	5	
Section 22.		
Pins, powder, puff	10	
Section 23		
Cartridges, drill, B L	2	
Section 26		
Lanyards, firing	2	

The periods of duration laid down in the preceding table are not intended in any way to govern the time for exchanging the stores.

Should it appear that articles are becoming unserviceable before they have been in use for the prescribed periods, enquiry should be made into the cause thereof. In the absence of sufficient reason to explain the premature unserviceability of stores the troops are liable to be charged.

SECTION XVII.—COMPLAINTS AND PROPOSALS CONCERNING STORES.

229. Reports on defects or failures of ordnance stores will be made on the following forms :—

I. A. F. O-1442-A, for ammunition except bombs and grenades

I. A. F O-1442-B for ordnance.

I. A. F. O-1412-C, for carriages and vehicles.

I A. F. O-1412-D, for general equipment and clothing.

I. A F. O-1412-E, for bombs and grenades

I. A. F. O-1413, for small arms and machine guns.

I. A. F. O-1453, for small arms or machine gun ammunition.

The instructions laid down in the above quoted forms will be observed

230. Reports will be made as soon as defects or failures occur to the C. O. O. who forward them to Brigade or District Headquarters together with the result of his own investigation into the matter and, when desir-

able, the remarks of the technical expert. Copies of I. A. F. O-1442-A, O-1442-E and O-1453 dealing with complaints on ammunition of any nature will be forwarded by the unit concerned direct to the D. of A., A. Hqrs.

231. The defective or broken stores reported under para. 229 will be retained until orders are received for their disposal. In the case of artillery units a list of reports rendered during the year will be inserted in Part II of the practice report with the number and date of the forms submitted.

232. Proposals on alterations to scales or patterns and introduction of new items will be made direct to the Brigade or District Headquarters, except in the case of proposals regarding technical engineer equipment which will be submitted by the Commandants of the Corps of Sappers and Miners direct to the Engineer-in-Chief, A. Hqrs. The latter officer will consult headquarters of commands concerned before taking any further action to give effect to such recommendations.

233. Proposals regarding policy questions will be submitted through the General Staff of Commands to the M. G. O. and a copy endorsed to the Chief of the General Staff. Proposals regarding technical questions will be submitted through the command to the M. G. O.

234. When provision of funds is involved, the proposals should be supported by the financial effect as verified by the C. M. A.

SECTION XVIII.—EXPERIMENTAL EQUIPMENT.

235. To avoid experimental equipment being mixed with consignments or service equipment, and to enable consignees easily to identify such equipment as experimental, the following special instructions will be observed by all concerned :—

(i) Each article before despatch to be plainly labelled or stencilled—

(*a*) Experimental.

(*b*) With the number of voucher under which issued.

(*c*) With the authority for despatch.

(ii) Each voucher to be enfaced—

(*a*) Experimental equipment.

(*b*) With the authority for despatch.

(iii) A separate memo. to be sent to the consignee, stating :—

(*a*) Nature and quantity of articles.

(*b*) Purpose.

(*c*) Number of voucher.

(*d*) Authority for despatch.

(iv) Experimental equipment will be packed and despatched separately.

(v) Stores issued for experiments will be returned to the nearest arsenal on conclusion of trial, unless otherwise ordered.

(vi) In the event of any stores being consumed or destroyed during the experimental period they will be written off charge on expense vouchers.

SECTION XIX.—DAMAGE AND REPAIR OF ARMS AND EQUIPMENT.

236. When a small arm, or portion of a small arm is damaged, it will be examined, and if the damage is not due to fair wear and tear, the amount of the damage will be assessed in accordance with paragraph 115, or in consultation with the C. C. M. A. and disposed of under the rules in Financial Regulations, India, Part I, and recovered from the unit or individual responsible and credited to the State.

237. An armourer may not charge a soldier for repairs to his arms.

238. A scale of charges to be made on account of cleaning, rust, cord wear, and other defects of small arms, which in the opinion of a Station Board are caused by neglect, is given in paragraph 115. These charges are to be recovered from the individual concerned as soon as the defects or damage have been discovered, and a record will be made of the position of the defect in order that a second charge may not be made for the same damage. A record will also be kept of all particulars connected with the assessments made, which should clearly show that the value of all arms which have been partly paid for has been decreased by the credit of a corresponding amount.

239. The decision of the Superior Commander on the proceedings of a Station Board, as to whether defects or damage to arms have been caused by neglect or not, is final.

240. Whenever any damage or deficiency to arms is shown as chargeable to the State, full reason will be given by the C. C. M. A. When the opinion of the C. C. M. A. is that damage or deficiency is chargeable to the unit and this opinion is not concurred in by the Unit Commander the latter will give his reason in his remarks on the C. C. M. A.'s reports and submit the case to the Superior Commander who will obtain any expert advice required from the I. S. A. and, if the amount involved is within his financial powers, finally decide whether the charge should be made by the unit or the State.

241. When investigating cases of damage to small arms, the description, place and date of manufacture of the particular cartridges [illegible]

beforehand as to the ammunition used.

The preliminary enquiry should include the examination of the damaged arms and the cartridges in use, together with their wrappers, charger cases or bandoliers, as the case may be. Reports will then, if necessary, be rendered in accordance with paragraph 229.

242. In cases of injury to rifle or carbine barrels, both barrel and body will be exchanged but, if supplied on payment and the body is *serviceable, only the price of the barrel will be charged.*

243. For the purpose of assessing damage to a bicycle not due to fair wear and tear, its life will be fixed at 6 years, the original value will be taken at Rs. 140 with an annual depreciation of Rs. 20 for each year of life.

244. Repairs to equipment other than optical and scientific instruments will be carried out, if possible, by regimental artificers, free of charge, unless an allowance for labour is specially sanctioned. Repairs to artillery equipment in charge of defences or units, where no qualified artificer is available locally, will be carried out with assistance provided by C. O. Os of arsenals concerned. Unit Commanders, when applying for such assistance, will specify the repairs required.

245. When two or more batteries are stationed together, any heavy work, such as setting up wheels, will be executed by the artificers of the several batteries combined. Where units are stationed in the same locality, any unit requiring the services of an artificer will apply to the Station Commander to detail an artificer from another unit.

246. The following special instructions are issued regarding the exchange of guns, pistols, Lewis and Vickers machine guns and mountings, and rifles which are beyond unit repair :—

(a) Guns mounted in important positions which require repair may be immediately replaced on indent of the Superior Commander. All other guns, mountings and carriages which are returned to an ordnance establishment for repair will be replaced if the period occupied in their repair is likely to be long or to cause serious inconvenience. The C. O. O. of the arsenal, or the superintendent of the factory repairing the stores, is responsible that the consignee is promptly informed as to the probable time it will take to repair and return them.

(b) Rifles, pistols, Vickers and Lewis machine guns and mountings on charge of regular units serving in frontier stations of Northern and Western Commands, which require repairs that may not be undertaken by the unit armourer (*vide* para. 220), will be exchanged before they are returned to arsenals. Applications for exchange will be made on I. A. F. Z-2093. *Guns so exchanged must be returned by passenger train immediately replacements are received.*

(*c*) Rifles, pistols, machine guns and mountings on charge of all other units and formations will be repaired "on deposit" in arsenals, application for this repair being made on I A. F. O-1370, *vide* para. 249.

(*d*) Rifles, pistols and machine guns and mountings returned for "deposit repair" which on receipt in an arsenal are found to require factory repair will be replaced.

(*e*) If the absence of the arms undergoing deposit repair is likely to cause serious inconvenience to the unit, a report will be made by the unit to the superior commander who will inform the C. O. O. if necessary the date by which the arms, etc, are required. The C. O. O. will expedite repairs or arrange replacement as the circumstances warrant

247. Repairs to wireless equipment will be carried out as far as possible by the unit, indents for spare parts and materials required being submitted to the I. A O C Wireless equipment beyond unit capacity to repair, will be replaced by the I A O C, and any beyond the powers of arsenal workshops to repair, will be sent in convenient batches to the Workshop Section, Signal Training Centre, Jubbulpore

248. When repairs to scientific instruments on unit charge, such as directors, binoculars, telescopes, plotters, range-finders dial sights, etc, cannot be carried out by the unit, I A F Z-2098 in duplicate will be submitted to replace the instruments The repairable instruments will be returned to the ordnance establishment concerned under the orders of the C. O. O or O. O.

Only in cases where immediate replacement is not possible will such instruments be ordered to an ordnance establishment for deposit repair

249. The following special instructions are issued in connection with stores, other than those dealt with under paras 246, 247 and 248 which are beyond unit repair —

(i) When repairs cannot be carried out by regimental artificers, or when painting or other work for which there is no authorized allowance, is necessary, application should be made to the C. O. O on I A. F O-1370 in quadruplicate, showing the items repairable and giving full information

(ii) The C. O O. may order stores into arsenal for repair and if sentenced arsenal repair orders to this effect will be entered on the four copies of the I A. F O-1370, as also the date by which the stores should be sent into the arsenal. Three copies of the form will be returned to the unit and one copy retained by the C. O O for workshop reference

(iii) Stores returned to an arsenal for repair or alteration under the authority of the C O O, will be accompanied by I A F. O-1370 in triplicate, which will be used as an issue voucher

by the unit, a receipt for the stores being granted by the C. O. O., on one copy of the form. After repair, stores will be re-issued to units on I. A. F. Z-2096.

(iv) When a store sent on for arsenal repair is found unserviceable or beyond arsenal repair, a condemnation report (A. F. G-1013) and a regular receipt on I. A. F. Z-2096 will be furnished to the unit by the C. O. O. as the authority to strike the stores off ledger charge.

(v) Repair under local arrangements may be ordered by the C. O. O., an estimate of the cost being furnished by the unit. In such cases two copies of I. A. F. O-1370 will be retained by the arsenal and two will be returned to the unit, one of which will support the bill submitted for payment on completion of repairs. Bills for local repair work will be countersigned, after check against the original estimates, by the C. O. O. before being passed to the C. M. A. for payment; labour charges being shown separately by the unit when the bill is prepared.

(vi) On no account are units to send stores to the arsenal for repairs, or commence repairs under local arrangements, without the prior sanction of the C. O O.

250. Repair material will not be used for any other purpose than for which it is provided and the sale or exchange of such is forbidden.

The value of materials expended in repairs necessitated by neglect will be credited in pay lists.

251. Scales of components allowed annually for the repair of arms are shown in Appendix 12. Since the wear and tear of rifles in A F. I. and I. T F. units is small as compared with regular units, the scales in Table 1 do not apply to these units, but the condition in Note 4 is applicable. C. C. M. A 's will detail in their inspection reports any components required to replace those rendered unserviceable.

Such components of rifle No 2 as are not common to rifle No. 1 will be demanded when required in replacement of those rendered unserviceable.

252. *When a unit requires components* in excess of the authorized allowance, the Unit Commander will furnish an explanation of the cause. The matter will be dealt with by the Superior Commander and, in deciding whether the issue is to be free or otherwise, he will take into account whether the annual allowance has been drawn periodically in full. If the components are required in connection with a C. C. M. A.'s inspection, the C. C. M. A. will enumerate the excess components on his inspection report and will state, when necessary, if there appears to be reason for charging the unit with the cost of such components.

253. The scale of foresight blades are shewn in Appendix 8.

254. When the services of a certificated N. C. O. are available, such soldiers as are called upon to ride bicycles should, whenever possible,

be previously instructed in the correct method of effecting adjustments and minor repairs.

255. To facilitate the maintenance of machines in a serviceable condition, units in possession of service pattern bicycles may draw annually on payment indents, a small number of the more commonly used components, so that these may be immediately available for repair work when required. No one article will exceed Re. 1 in value and the total value of the items demanded in the annual indent will not exceed Rs. 5 per bicycle on charge. The amount will be debited against the cost of maintenance. Only such components as are supplied by the Ordnance Corps should be used on service pattern bicycles, and their local purchase, and also of material for repair (except repair outfits) is prohibited. Units in possession of trade pattern bicycles will purchase locally, components and repair material for their maintenance.

When a unit proceeds on field service, all arrangements for supply will be undertaken by the Ordnance Corps.

256. The proportions of materials authorized for repair of harness and saddlery are shown in Appendix 21 and are based upon the average quantities required for the repair of articles which have been some years in use With new equipments the same amount of materials will not be required, and in making indents Unit Commanders will demand only what is actually requisite.

(NOTE.—For instructions for preservation, etc, of harness and saddlery, see the "Manual on Harness, etc" in use in India)

257. When binoculars, monoculars or compasses which are the personal equipment of officers, require to be cleaned or repaired, they may be sent to the Superintendent, Mathematical Instrument Office, 15 Wood Street, Calcutta. Instruments should be securely and carefully packed and dispatched by registered parcel post with a note enclosed stating the owners' name, unit station, and nature of repair required. The superintendent should also be informed by letter. All charges will be paid by the officer concerned; the instruments being returned, after repair, by value payable post Any complaints should be addressed direct to the Superintendent, Mathematical Instrument Office

258. The following components may be demanded annually for the repair of mark VI waterbottles on the scale of 10 per cent of the number of waterbottles actually in use —

Covers.

Stoppers, cork.

Cords.

Felt covers may be repaired when necessary by binding the top and bottom edges with, "Web, cotton, khaki, 1-inch" which will be issued "on payment" as required and repairs carried out regimentally.

259. Scale of material allowed for the repairs of tanks, mule Mark I, on charge of units in the Waziristan District is given in Appendix 22-A.

260. For the scales of materials for browning arms and the rates of pay admissible for the rebrowning of arms see Appendix 14. The browning of arms should last two years. If re-browning be required before the expiration of that period, additional materials will only be supplied on payment except when re-browning is sanctioned by the G. O. C. district or independent brigade. No charge will be made against troops for browning their arms when the service is rendered necessary by fair wear.

Rifles, bayonets and scabbards, etc., to be re-browned will be sentenced by C. C. M. As. at their annual inspections and materials will be issued in accordance with the number of arms to be re-browned as shown in his inspection report. In cases where complete re-browning is unnecessary, C. C. M. As. will sentence for 'patch' browning, i.e., the re-browning of only those components which require it. When the number of bayonets and scabbards to be re-browned exceeds the number of rifles to be re-browned or 'patch' browned, they will be shown separately.

261. Units which cannot re-brown their own arms will, if at an arsenal station, apply to the C. O. O. for permission to send the arms to the arsenal for re-browning, otherwise to the Station Commander who will arrange to have the re-browning done by a unit in the station having an armourer. When the re-browning of arms is done in an arsenal, no indent for the materials will be needed. If re-browned by another unit the regiment carrying out the work will demand the materials.

262. When a difference of opinion arises as to the manner in which the arms of another unit have been browned by the armourer of the British regiment, the decision will rest with a board detailed by the Superior Commander, consisting of a field officer unconnected with either unit concerned.

263. When arms on charge of a unit without an armourer or armament artificer are considered to require repair, and that such repairs must be executed before the C. C. M. A.'s annual inspection of arms, the Unit Commander should, if at an arsenal station, apply to the C. O. O. for permission to send the arms to the arsenal for repair, otherwise to the Station Commander who will arrange to have the repairs executed by a unit in the station having an armourer. The unit executing the repairs will demand from the arsenal the required materials, and when the number of arms exceeds twenty-four the repairing armourer will be remunerated for his extra work at the rates to be fixed in each case by the C. O. O. concerned.

264. The term "repairs" will be held to include the stripping and cleaning of arms.

265. Scales of tools and material allowed for the repair of web equipment and instruction for carrying out repairs are given in Appendix 10.

266. When any article comprising two or more component parts, has become in part unserviceable in time of peace, such new parts as may be required will be obtained from store and attached by artificers of units free of charge. Unit Commanders will take care that no part of

equipment in use is destroyed until the new parts required from store have been received and can be utilized.

267. Pipe boxes will be gauged and sentenced by O. M. Es.

268. Cleaners and sponges of mobile artillery will be re-wigged by the Ordnance Corps.

269. Tyres which cannot be repaired locally should be disposed of as not worth cost of repair.

270. Mess tins and other cooking utensils which require retinning will be referred to C O. Os. on I. A F O-1370. Retinning may be [illegible] contractors approved by the M. G O. [illegible] de by C. O. Os. Commercially pure [illegible] vill be used in retinning

When retinning is required, the Unit Commander will submit to the C. O O. or O O concerned I. A. F Z-2098, in duplicate, showing the articles to be retinned, the approximate cost, the date of the last retinning and the unit's No of the last Z-2098 submitted for this purpose

271. Whenever the shooting of a rifle is suspected the arm should be tested by shooting on a still day at 500 yards from a rest. A skilled shot should be selected to fire the test and a batch of ammunition known to be reliable employed

Before testing the arm the regimental armourer should satisfy himself that the bore is free from metallic fouling and that the rifle in all other respects is correct.

Sighting shots will be fired to ensure that the group will ultimately fall on the target.

If 9 out of 10 shots do not fall within a 24-inch circle, 303" arms should be reported to the C O. O for exchange

272. Webley pistols should put 5 out of 6 shots into a 4-inch circle at 20 yards, firing from a table rest

273. To determine the serviceability or otherwise of a cord-worn barrel when any doubt exists, the following points will be observed .—

1. A barrel is unserviceable through cord-wear at the breech, when a cartridge fired in it shows clear signs of having expanded into the groove made by the cord

2. Before being sentenced unserviceable from cord-wear at muzzle barrels should, if possible be practically tested with the authorised local firing test for accuracy

Should it not be possible to carry out the authorised local firing test the rifle should be fired at 100 feet range when the centres of the best 9 out of 10 shots should fall within a circle 1 75-inch in diameter

274. Before being sentenced as unserviceable for bulges or corrosion, ·22-inch R. F. short rifles will be tested as follows :—

Distance	25 yards.
Position	Prone, wrist supported.
Elevation	300 yards.
No. of rounds	2 preliminary (not to count) 10 for diagram.

If 10 shots group within a 1½-inch circle, the rifle will be retained as serviceable ; otherwise it will be reported to the C. O. O. for exchange.

275. All range finding instruments on charge of cavalry, infantry and artillery units will be tested once every six months under arrangements to be made by the G. O. C.-in-C. A fully qualified officer will be selected to conduct the test. This officer will carefully inspect and adjust the rangefinder before the test.

The test will be conducted under the supervision of the Brigade [illegible]

[illegible] as possible.

The test will be carried out as follows —

(*a*) Five easy range marks will be selected One each to be within the following limits 300—400, 600—1,000, 1,000—1,500, 1,500—2,000, 2,000—3,000 yards.

(*b*) The actual distance of these points will be ascertained from a 25-inch to one mile map, if available. Where no 25-inch maps are available, the points must be accurately fixed by triangulation In every station area a testing ground will be laid out

(*c*) The instruments under trial will first be adjusted for "zero" on the rods in their wood cases, care being taken before doing so to ensure that the distance between the rods are correct and that the rods are not bent. A zero setting will also be checked by the astigmatiser and the difference in reading from the un-astigmatised setting on the rods will be noted

(*d*) Ten readings will then be taken of each range point with each rangefinder under trial A good instrument will register the distance within the following percentages :—

	Per cent.
300—400 yards	1
600—1,000 "	1
1,000—1,500 "	1 5
1,500—2,000 "	2
2,000—3 000 "	3

(*e*) Each instrument will be tested by at least two expert rangetakers Each expert rangetaker will take the ten readings referred to in (d) above and the results will be recorded.

(*f*) Each expert rangetaker must agree with the "Zero" setting obtained on the rod before testing the instruments on the test points.

(g) After setting "Zero" the rangefinder will be checked again and made correct, if necessary, for halving adjustment.

The officer in charge will close the scale window on the outside of the rangefinder whilst the expert rangetaker is making his coincidences.

Any instrument found defective will be reported to the C. O. O. on whom dependent and to the brigade and unit concerned.

A record of the tests of the Barr and Stroud instruments on the [illegible] .fter being certified [illegible] to and forwarded [illegible] will be kept with the unit, and will be returned with the instrument, when sent to the Mathematical Instrument Office for repair.

276. All rifle grenade dischargers on charge of units will be examined quarterly, under regimental arrangements, in accordance with the following instructions :—

Base.—See that the base is free in the barrel, that the levers work freely and that adjusting screw is movable with the screw-driver.

Barrel.—Examine the moving segment to see that it is movable and properly seated in its recess and correctly seals the vent See that the ranging nut is in working order and will clamp the moving segments Examine the discharger barrel to see that it is free from destructive rust or fouling inside, and that it is not deformed or damaged.

Damaged dischargers will be replaced and returned to the supplying arsenal.

277. Sight clinometers in possession of artillery units will be tested locally in accordance with the instructions given below, in order to determine the degree of error due to backlash or other causes

(a) Place the sight clinometer, set at zero, on its bracket and bring the bubble to the centre of its run by means of the elevating handwheel.

(b) Turn the micrometer head clockwise for two or three complete turns and then carefully turn back anti-clockwise until the bubble is in the centre of its run. If the bubble overruns, repeat. Note the second reading

(c) Turn on anti-clockwise for two or three complete turns of the micrometer head, and then carefully turn back clockwise till the bubble is again in centre of its run. If the bubble overruns, repeat. Note the second reading.

(d) Any difference between the two readings is error due to insensitiveness of the bubble or backlash, or both.

(e) Repeat at angles other than zero.

[illegible]

SECTION XX.—ARMS AND ACCOUTREMENTS AND STORES FOR TROOPS ON BOARDSHIP.

279. The stores to be placed on board Royal Indian Marine vessels, transport and freight ships detailed for trooping are given below:—

Description of stores.	Royal Indian Marine vessels	Hired Transports, or freight ships engaged in India	REMARKS.
Rifles with bayonets, and the necessary accoutrements.	100 for vessels carrying 1,000 men or more 50 for vessels carrying less than 1,000 men	10 per cent of unarmed strength on board, except invalids and time-expired men	
Ammunition	40,000 rounds for vessels carrying 1,000 men or more 20,000 rounds for vessels carrying less 1,000 men	For vessels carrying unarmed details 60 rounds per rifle, complete boxes only to be carried For vessels carrying armed units 200 rounds per arm on board	
Bugles	2 per ship	2 per ship	
Strings, bugle and trumpet.	2 per ship	2 per ship	
Oil, lubricating, G. S. pints	2 per month during period of voyage.	2 per month during period of voyage	
Flannelette . yds	25(a)	25(a)	(a) Per month during period of voyage
Handcuffs, common prs	(b)	(b)	(b) One per cent. of strength on board
Clippers, hair	3 per ship	3 per ship	
Scissors, haircutting prs	3 per ship	3 per ship	
Stretchers, ambulance	(c)	(c)	(c) One per ship
Entrenching tools	Axes, pick, complete, 155 per vessel Shovels, G S 236 per vessel	Axes, pick, complete, 155 per vessel Shovels, G S 236 per vessel	

280. Before the vessel leaves the initial port of embarkation the O C troops will satisfy himself that the authorised proportions of ammunition, arms, equipment, and stores have been placed on board and that the ammunition has been properly secured in the magazine

SECTION XXI.—MOBILIZATION EQUIPMENT.

281. Unit Commanders who are in possession of mobilization equipment, will be responsible to the Superior Commander that it is kept in a complete and serviceable condition and fit for service and that the orders regarding custody and arrangement are carried out.

282. Mobilization equipment will be stored in accordance with the latest print of the appropriate W. E. T. No corrections, other than those of nomenclature authorised by I. L. Cs. are to be made in tables except under authority of the Government of India.

W. E. Ts. of the latest editions will be kept with the equipment of units, and units whose mobilization equipment is on charge of the Ordnance Corps will always have copies of these tables in their possession

283. On mobilization being ordered, the W. E. T. will be the authority as regard the articles of equipment which a unit takes with it into the field. It is of great importance that not only the mobilization equipment of units, but also such of their peace equipment as is, according to the W. E. T., required for war, should be at all times complete and serviceable.

284. G Os. C. will satisfy themselves by means of an annual inspection that all mobilization and reservists arms and equipment, whether in unit or departmental charge, are complete, serviceable and suitably stored for ready issue. A certificate to this effect will form part of the annual inspection report; or, in cases where this does not apply, a report will be rendered to the same effect on the 1st October to the A. G. in India.

285. The following instructions are issued in connection with arms and accoutrements for reservists —

(i) Arms and accoutrements required for the use of reservists on mobilization will normally be stored at the Reserve Centres detailed in Regulations for the Army in India, except in the case of Gurkha reservists, arms and accoutrements for whom will always be stored at Allahabad Arsenal.

(ii) Where accommodation is not available at Reserve Centres, the arms and accoutrements will be stored in deposit charge in the arsenal nearest the Reserve Centre until such time as the necessary accommodation is provided. For the procedure regarding deposit and withdrawal of stores, see para. 286.

(iii) The O. C. Reservists will be responsible that the numbers of the stores in deposit are revised quarterly, or as may be necessary, to agree with the actual number of reservists to be equipped.

(iv) Arms and accoutrements will be used for training purposes and will be maintained in a serviceable condition by Officers Commanding, Reservists. After use and before being dispatched to arsenals, all equipment will be surveyed by the O. C., the unserviceable being replaced and the repairable repaired; the necessary precautions for preservation of the equipment will also be taken.

(v) Equipment of reservists will not be transferred with the reservists unless the strength of one unit is to be augmented with a corresponding decrease in the other.

(vi) On mobilization, a telegraphic demand will be sent to the C. O O. or O. O. stating quantities required from deposits.

286. *Stores forming part of the equipment of an unit will not normally* be accepted for storage by the I. A. O. C. unless a certificate is rendered by the O. C. Station that accommodation within the station is not available. Except in the case of Gurkha Reservists, arms and accoutrements for whom will be stored in the Allahabad Arsenal, arms and accoutrements for reservists will ordinarily be stored at Reservists Centres. These arms and accoutrements will be used for training purposes being maintained in a serviceable condition by the O. C. reservists. Stores placed in " deposit " will only be issued on the authority of the depositing officer

The following procedure will be adopted in respect of " deposit " transactions —

(i) Where stores have not been already issued by the I. A. O. C , the indentor concerned will submit indents for the stores which are to be placed in deposit Indents will be prominently enfaced " to be placed in deposit " (In the case of arms and accoutrements for reservists indents will be enfaced " to be placed in deposit for reservists ") Regular vouchers will be prepared, together with three copies of I. A. F. O-2393. The vouchers, and two copies of the form (one for the O. C.'s signature) will be sent to the O C. who will return the voucher receipted with one signed copy of the form.

(ii) When stores already issued by the I A O. C are required to be placed in deposit, they will be returned on nominal vouchers. On receipt of the stores a copy of the nominal voucher will be receipted by the C O O, or O. O. and returned accompanied by two copies of I. A. F O-2393. The O C unit will return one copy of the latter duly signed.

(iii) The C O. O or O. O. will place stores in deposit unpacked, each unit's equipment being kept separate, and will make arrangements to ensure that such equipment can be speedily issued on mobilization, *e g*, packages and packing material should be available

(iv) When it is necessary to add to the number in deposit, the procedure in paras (i) and (ii) above, where applicable, will be applied.

(v) When it is necessary to reduce the number in deposit, the O C unit, will send the necessary regular vouchers, for the numbers which are being returned to arsenal or depot stock,

to the C. O. O. or O. O., who will receipt one copy of the voucher, after which the copies of I. A. F. O-2393, with the O. C. unit and the I. A. O. C., will be adjusted accordingly (*i.e.*, reduced by the number or quantity returned to the I. A. O. C. on regular vouchers).

(vi) When it is necessary to issue the stores, the C. O. O. or O. O. will prepare three copies of I. A. F. O-2393, two of which will be sent to O. C who will return one copy receipted.

(vii) Annually at the end of March, the C. O O. or O. O. will send two copies of I A. F. O-2393, on which will be included all items held in deposit for the unit, to the O C. who will check the correctness of this return and return one copy certified as correct (or otherwise)

287. Under orders from the District Commander, the A. D. M. S. will arrange for the inspection twice a year, of the equipment of the various field medical units allotted to his area In the case of general hospitals, the inspection will be carried out in conjunction with the local Ordnance. M E. S. and I. A S. C. officers concerned The condition and readiness for service of these units will be reported on I A F I-1144.

288. When mobilization equipment is handed over to a relieving unit, vouchers will be passed in the usual manner and should any discrepancy exist full explanation will be afforded by the O C. the outgoing unit.

289. The instructions for preservation of harness and saddlery will be followed for the harness and saddlery of mobilization equipment Special attention should be paid that the harness and saddlery is kept properly dubbed and in good condition

290. Unit Commanders are responsible that the stores for cleaning, preservation, and repair of mobilization equipment are actually in possession, and will sign a certificate to that effect at the end of the equipment ledger.

291. The scale of incinerator grids and water carts are given in Appendices 26 and 7, respectively

292. The replacement or repair of all articles of mobilization stores rendered unserviceable or repairable, will be on payment debitable to the unit, except when sanction to their use has been obtained

293. Ordnance mobilization stores, including stores held for internal security and defence measures, will be inspected by the Officer in charge of the stores twice a year. Indents to replace unserviceable items will be submitted immediately, enfaced "Mobilization" in red ink.

Repairs and alterations *vide* I. I. Cs will be carried out as far as possible by the unit. Items beyond units capabilities will be dealt with in accordance with para. 219.

294. Serviceable ordnance mobilization stores requiring turnover will be dealt with as follows:—

(a) Turned over with peace equipment of the unit, or by arrangement with O. C. station, with the peace equipment of other units in the station.

(b) Reported to C. O. O. or O. O., on I. A. F. Z-2098 as serviceable mobilization stores requiring turnover, who will if they cannot arrange turnover inform the A. D. O. S.(P), A. Hqrs., sending a copy of the action taken to O. C. unit, D. A. D. O. S. of the District and D. D. O. S. of the Command.

295. Appendix (55) gives the form of turnover and preservation book which will be maintained by the Officer in charge, Mobilization Stores. This book will be scrutinized by D. A D. O S. at his inspections, and initialled by Officer in charge, Mobilization Stores and by D. A. D. O. S.

296. Articles of Ordnance Mobilization equipment may only be used in peace as shown in the following table:—

Article	Purpose for which use may be sanctioned.	Sanctioning authority	REMARKS
Ground Sheets . .	Training camps, manœuvres and on line of march, on the recommendations of the Medical authorities	Superior Commander	Scales of issue—One per man to all Troops and Class 1 followers. Demands on arsenals will be made only to complete to this scale after taking into account any that may be held on charge as mobilization *equipment* The value of ground sheets lost through negligence or wilfully damaged, will be recovered from the unit or individual concerned at the undermentioned rates — (i) Full value at stock book rates for sheets which have been in store under 6 years. (ii) Half value at stock book rates for sheets which have been in store over 6 years.

Article.	Purpose for which use may be sanctioned.	Sanctioning authority.	Remarks.
Lines bedding . .	Training camps, manoeuvres and on the line of march.	Unit Commander	Not authorised for Standing camps.
Rifle breech covers .	Do.	Superior Commanders.	
Water carts and connected equipment.	Training camps, manoeuvres, line of march and for training in barracks of personnel in water duties.	Do.	
Incinerator grids . .	Training camps, manoeuvres and on the line of march.	Do.	
Stores held in the mobilization reserve of Engineering stores.	Do.	Q. M. G. with concurrence of M. G. O	
Canvas tanks, canvas troughs and canvas waterbags for water supply, which form part of the equipment of S. & M. units.	Special purposes only such as Mobile Columns. Not to be used for manoeuvres or for training camps, etc.	M. G. O. with the concurrence of the E.-in-C.	Framework, etc., of waterbag sets may be used provided special waterbars are supplied locally.
Any other items of mobilization equipment of Ordnance supply, except machine gun barrels (para. 300).	Training camps, manoeuvres and on the line of march.	M. G. O	

297. No deviation from para 296 is permissible, except that:—

(i) In the event of local disturbances, G. O.'s C. are empowered to sanction the use of any equipment considered necessary to deal with the situation.

(ii) For mobile columns in covering troops, districts and areas (where not covered by sub-para. (i) above) the G. O. C. in C. may authorise the use, as and when required, of mobilization equipment.

298. Mobilization equipment used in peace under paras. 296 and 297-C will be examined by a regimental board before return to the mobilization store or arsenal concerned. The equipment will be restored to a serviceable condition and returned to store as early as possible after completion of the service for which authorised.

The proceedings of the Board of Survey will be kept open until all action in regard to repairs and replacements have been completed; the O. C. unit will then certify to this effect on the proceedings and forward them through D. A. D. O. S. to the M. G. O. The D. A. D. O. S. concerned will watch progress.

299. The use of articles of I. A. S. C., Medical, Veterinary and Engineers Supply in peace, included in the mobilization equipment of units, will be sanctioned by the Head of the Branch concerned at Army Headquarters.

SECTION XXII.—MACHINE GUNS.

300. The following table shews the distribution, carriage, etc., of all barrels provided for Vickers and Lewis machine guns.

Machine gun	NUMBER OF BARRELS PER GUN.			
	Field army and covering force units.		All other units.	
	Peace.	War.	Peace.	War.
1	2	3	4	5
Lewis.				
In the gun	1	1	1	1
In unit charge (spare) . . .	(a)2	1	(a)2	1
In ordnance reserve	2	2	1	1
Vickers.				
In the gun	1	1	1	1
In unit charge (spare) . . .	(a)2	1	(a)2	1
In ordnance reserve	2	2	1	1

(a) 1 carried in spare barrel case, balance kept in store.

The two spare barrels for Vickers and Lewis guns in unit charge (columns 2 and 4) are mobilization equipment and may be used in peace only on the following occasions —

(a) In replacement of condemned barrels to enable the completion of annual courses, local instructional courses and demonstrations, and

(b) To meet requirements of a special or urgent nature

When orders to move on mobilization are received, the worn barrel of Vickers and Lewis guns will be returned to ordnance charge The barrel removed from the gun being replaced by one of the spare barrels in possession

301. When machine guns are returned to store for any purpose, the spare parts box will accompany them

302. Machine guns, mountings and spare parts on charge of regular units having an armourer will be examined monthly In the case of regular units having no armourer, arrangements will be made by the Unit Commander to apply quarterly, if at an arsenal station to the C. O. O , otherwise to the Station Commander, for the services of an armourer A record will be maintained which will be produced at the annual inspection of arms by the C C. M. A.

303. The examination of machine guns, mountings and spare parts on charge of Auxiliary Force (India) units will be carried out by one of the permanent subordinate instructional staff who has undergone a course in the repair of arms in an arsenal. In the event of the instructor finding himself in any difficulty, he will obtain the aid or advice of a regular armourer, if available at the station, otherwise, the C. O. O. concerned will be consulted. A record will be maintained, as in the case of regular units and will be produced at the annual inspection by the C. C. M. A.

304. *Service locks should not be stripped for instructional purposes.* Lock springs of guns and spare locks should never be left compressed. Return springs of Lewis guns should always be left down when the guns are not in use. Magazines of Lewis guns, and belts of Maxim and Vickers guns will be inspected quarterly to see that they are serviceable, the belts being tested with the "Plug, belt" to ensure that the pockets are of correct size.

305. Sear springs before being assembled in the gun will be tested regimentally by means of a spring balance or a 5½-lbs. weight. Under this load the extension of the spring should not exceed ·6-inch (·5937-inch equals 19/32nd of an inch). Springs which fail to pass this test will be exchanged in communication with the C. O. O.

306. When the shooting of any machine gun, in possession of a unit, falls off or the barrel appears worn, the Unit Commander will have it tested as laid down in Appendix XII, Machine Gun Training, 1925. If the figure of merit exceeds 1·2 feet, he will demand a barrel from the arsenal on which dependent. The barrel will be despatched by passenger train, and on its receipt the doubtful one will be returned to the arsenal. If, after a new barrel has been fitted, inaccurate firing results are still obtained, the cause may be looked for in the mounting. This should be overhauled immediately by an armourer and defective components exchanged.

307. When investigating cases of damage to machine guns, the description, place and date of manufacture of the particular cartridges in use at the time should also be recorded in the proceedings of the court of enquiry, which should be held whenever damage occurs. Unit Commanders will take special care that all possible evidence is collected beforehand as to the ammunition used.

The preliminary enquiry should include the examination of the damaged guns and the cartridges in use, together with their wrappers charger cases or bandoliers, as the case may be Reports will then, if necessary, be rendered in accordance with para. 229.

308. Unserviceable tangent sights, complete locks and feed blocks of machine guns will be returned to the Rifle Factory, Ishapore. Brass, or gunmetal unserviceable components will be returned to the arsenal on which dependent. Other unserviceable components will be broken up and written off.

309. To reduce the wear and tear of service ammunition belts, units and others may retain unserviceable belts and utilise the serviceable portions for making up belts for drill purposes.

The drill belts will be made under regimental arrangements in accordance with the instructions contained in Appendix 28.

310. Regimental armourers will re-brown Lewis and Vickers guns in possession of units, in accordance with the instructions laid down for re-browning small arms. If the materials authorised for such arms, under Appendix 14, are insufficient to provide for the re-browning of the guns, additional materials as necessary may be demanded. Units having no armourer will obtain instructions from the C. O. O.

311. Trigger guards and magazines of Lewis guns will be painted and not browned. Guns, mountings and metal boxes will be painted with "Khaki colour special." For wooden boxes the ordinary "Khaki colour" paint will be used. Re-painting will be carried out regimentally.

312. The following scale of paint is allowed for Lewis and Vickers machine guns :—

Articles	Parts to be painted	Allowance per 100 for one coat.
		lbs.
Guns, machine, Lewis ·303-inch .	Radiator casings and exposed surfaces of trigger guard	4¾
Guns, machine, Vickers, ·303 inch .	Barrel casing and exposed surfaces of feed block when latter is of gun-metal	4½
Magazines, Mark I, Lewis, ·303-inch M. G.	Externally only, omitting the rims over which pawls pass.	1¼
Mounts, field, Lewis, ·303-inch M. G., Mark III.	All over	1½
Mountings, tripod, ·303-inch M. G., Mark IV (including carriers ammunition belt box)	All over, excepting gun and joint pin bearing surfaces, screw threads of elevating gear and stems of joint pins.	12
Boxes, belt, ammunition M. G., Nos. 7, 8 and 9, Mark I (metal).	Externally (and internally, necessary).	11
Boxes, carriers, magazines, Lewis, ·303-inch M. G. (metal).	Ditto	[illegible]
Chests, Vickers or Lewis ·303 inch, M. G. (wood)	Externally . .	[illegible]

313. Scales of machine gun equipment, and machine guns for drill purposes are shown

SECTION XXIII.—MARKING OF EQUIPMENT.

314. All marking or remarking of arms, accoutrements, harness and saddlery and other equipment and ordnance stores in possession of units will be done regimentally without extra expense to the State. Stamps, paint, etc., required to carry out the work will be supplied free to the various services requiring them. The adoption of an unauthorised method of marking, or the employment of stamps differing from the standard patterns is forbidden.

All marks on equipment will be renewed when necessary by units. Marking will be done by paid artificers of units as part of their duties, except the engraving of piccolos and flutes which are engraved locally.

315. Stamps and stencils, ink, paint, etc., for marking of articles of clothing and necessaries will be obtained free on indent from the arsenal on which dependent. The annual scale of marking ink and paint required, is shewn below. Marking ink will be used for cotton and linen articles and paint for woollen articles.

NOTE.—The necessary stamps to carry out this work will be issued only to units which are not already authorised to have them and which have not already got them on charge.

Units.	Scale per 800 men.		Remarks.
	Ink.	Paint.	
	Pints.	Lbs.	
British troops	6	8	In the case of battalions with a greater or lesser strength than 800 men the issue of ink and paint will be regulated in proportion to the actual strength
Indian troops	5	8	
Followers	3	4	

316. The abbreviated titles of units to be used in marking small arms and regimental equipment are shewn in Appendix 39.

317. All stores should be indelibly marked, so that their origin may be traceable and that they may be readily recognised as Government property. Wooden, metal, and leather articles should be marked with a stamp, and textiles with paint. When issued, they should, if possible, be marked with the date of issue and the mark of the supplying department. When necessary, handles, handspikes, levers and articles used for manual labour may be lettered in paint with the distinguishing mark of the unit. Branding of accoutrements is forbidden.

318. Unserviceable articles which are sold complete, and all stores which are issued on payment and thus cease to be Government property, will be marked with the unserviceable mark, *i.e.* ⚹, before issue accordingly.

Stores returned to the I. A. O. C. as unserviceable will not, in any circumstances, be marked by units with the unserviceable mark.

319. In cases where the services of an armourer are not available for marking equipment, Unit Commanders, when indenting on the Ordnance Corps, will state the particulars of the unit marks and numbers that should be placed upon the articles.

320. Arms issued to replace others will be given the numbers of the articles replaced.

321. Instructions for marking vehicles are given in Appendix 40.

322. All vehicles manufactured or repaired in Indian ordnance factories are marked with the initials of the factory, numeral of pattern, year of manufacture, and the G. of I. mark. These marks are required in order to maintain a record of the history of each vehicle and will be renewed when necessary, stamps for the purpose being obtained on loan from arsenals. They will be quoted in all reports relating to the vehicles. Diagrams showing the marking of vehicles can be obtained from the Gun Carriage Factory, Jubbulpore.

323. In order that further charges may not be made at subsequent inspection, barrels of rifles and carbines found by C. C. M. A. to be cord-worn, will, if they are not unserviceable, be marked W* by the C. C. M. A., those returned to ordnance establishments for store or repair and found in a similar condition, will be marked W* in the establishment concerned

324. With the exception of articles of equipment for man and horse, stores issued for the service of the troops are not to receive any indelible unit marks which would render them unfit for re-issue. Should it be found on such articles being returned into store, that they have been so defaced, the cost of the articles will be charged against the unit for whose use they were issued.

325. Articles of equipment supplied for temporary purposes will not receive unit marks

326. The scale of material allowed annually for certain units for marking packages is given in Appendix 38.

327. Details of units markings of equipment

Stores	How carried out	Detail of marking.
Arms	Regimentally .	See "Instructions for armourers"
Accoutrements	Do	To correspond with arms. Buff leather and web accoutrements, also mess tin covers with black marking ink, other leather with iron stamps.

Stores.	How carried out	Detail of marking.
Bags, sea, kit	Regimentally, at cost of soldier.	Unit mark, soldier's number, name and destination.
Bicycles	Regimentally .	With white paint. Title of unit in Roman letters, across the rear mud-guard 4 inches above bridge and on upper side of bottom tube, commencing just clear of the bottom lug of the ball head.
Extinguishers, fire	Do .	The handle of the extinguisher should be stamped with B. A. No. of the vehicles to which it is fitted
Harness and saddlery	Do .	Squadron letter (battery number) and serial number of set
Musical instruments . .	Do .	Engraved or stamped with small arms stamps. Unit mark above, and serial number below a line.
Tents	Do	3 inch stencils used. Serial number of tent just below arsenal date of issue mark.
Tins, mess	Do	Engraved, or stamped with "stamps, steel, for metal" ¼ inch *Mounted services.* Lid . on the rim. Body . on the top edge. *Dismounted services* Lid Centre of the back. Body Back of the rim Tins should be well supported by a smooth surface during the process of marking. Judgment will be used in delivering the blows so as not to cut the metal through
Water bottle covers and carriers .	Do. .	As for accoutrements. With marking ink, using stamps marking textiles, ½ inch.
Whistles	Do. .	Stamped with small arms stamps Unit mark on one side of the acorn and serial number on the other.

328. Details of marking of harness and saddlery in possession of units.

Name of article.	Position of marks.
Bands, belly	On the chape on either side.
Bits—	
Portmouth	On "off side" cheek pieces.
Snaffle	On inside of ring either side.
Bridoon—	
With tees	On inside of "tee" either side.
Without tees	On top of mouth piece.
Breastplates	On the underside of the heart.
Breechings—	
H P D. G. S.	On leather lay between the keepers.
P S Arty, P S G. S. I. P. and P S. Cav. I. P.	On chape at either end.
Breechings, P. S. G. S	On body at end between loops.
Bridles, snaffle	As for "Straps" and "Reins".
Cases, horse shoe	In the centre of the back.
Collars, breast—	
H P. D G. S.	On leather lay between tug and ring.
P. S G S I. P. and P. S. Arty. I P.	On the chape at either end.
P. S G S.	On body below stitching of the back.
H. M D I. P.	On body under dee with hook.
Collars, head	On jowl piece.
Cruppers—	
P. S. Arty.	On body between buckles and loops
P. S. G. S I. P	On lay behind keeper.
P S G. S	On body under loop for hip strap
P. S. Cav. I P.	On body in rear of the keeper
Girths—	
Leather	On either end.
Web	On chape at either end
Heads	As "straps"
Headstalls	As "Collars head."
Leathers stirrup	On points.
Leggings, driver	At top rear of plate.
Martingale	As "straps"
Neckpiece H. P D. G. S.	On release straps
Pads, collar	On either end.
Pads, roller	On centre at back
Pannels—	
Stuffed	On top centre of back.
Saddle	On rear leather pocket
P S G. S I. P.	On back at top corner, felt lining in white paint.
Reins	At hand part.
Rollers, G. S. and P. A.	On chape
Saddles—	
P. S.	On near side bar.
S O and S. U.	On near flap left top corner
Shackles	On body
Stirrups	On base of tread.
Straps (all)	On points.

331. The following annual scale of mineral jelly, red, for coating the bright and movable parts of siege and field carriages of movable armaments in inland defences so as to prevent rusting and to facilitate ease of operation when the equipments are brought into use is allowed :—

	lb.
Carriage, siege, B. L., 6-inch, 25 cwt. howitzer	4
Carriage, field, B. L., 5-inch howitzer	3
Carriage, field, Q. F., 4 5-inch howitzer	3
Carriage, field, Q. F., 18-pr. gun	3
Carriage, field, B. L., 15-pr. gun	3
Carriage, mountain, B. L., 10-pr gun	1

332. Where the guns in defences are kept under tarpaulins, the breech blocks and sights will be removed and kept in a guard room or under similar cover.

333. Guns may be decoppered by the use of tin foil (60 per cent tin and 40 per cent lead) The tin foil, if placed in a gun along with

decopper a gun, strips (1"× 27") of tin foil will be issued under the authority of an O M E. The quantities to be used per round are as follows :—

	Strips.
7·5" gun	16
6" gun (full charge)	24
6" gun (reduced charge)	14
60-pr. gun	8
2 75" gun	1½

and they will continue to be used until all the coppering disappears.

The gunner who inserts the tubes will carry a supply of strips over his left arm from which the requisite number can be taken and put in the chamber behind the projectile and in front of the cartridge. The strips must not be forced into a compact mass but should form a bundle about the same diameter as that of the cartridge

Howitzers, as a rule, are not subject to coppering

334. Instructions for the inspection of recoil systems are contained in paras. 252 and 261 of Regulations for the Care and Preservation of Artillery Equipment (1930)

All carriages in India fitted with air recuperators will be pulled back *once a week* to agitate the liquid and clean the interior surface of cylinders.

335. Rouge will be issued for removing slight roughening of the

and the orders of the O M. E. during his annual inspection.

336. To avoid undue deterioration of vehicles in store or not in use, their wheels should be revolved one spoke in the same direction at least once a month, and the whole carriage or at least the wheels of the stacked vehicles should be exposed twice a year for a day in wet weather, all water lodging in their cavities being removed before return to store. The grease boxes of all such vehicles should be kept filled. Wooden water carts will be kept three-quarters full of fresh water.

337. Vehicles in possession of units or held in ordnance charge should always be complete with the authorised proportion of components and accessories, spare parts, and vehicle equipment.

338. General service and limbered general service wagons on charge of units in barracks are to be kept under cover when not out on parade or fatigues.

339. Nos. 17 and 18 draught poles and No. 3 supporting bars are issued to artillery units unpainted. The scale of raw linseed oil for their preservation is shown in Appendix 24.

340. Government bicycles are only to be used on military duty or service connected with military requirements. Unit Commanders are responsible for the proper care and preservation of service bicyles by soldiers under their command.

341. Detailed instructions regarding the care, preservation, and repair of service bicycles are contained in the Handbook on Military Bicycles, a copy of which will always be carried in the tool bag of the machine to which it belongs. In order to fix responsibility for loss or damage, transfers of machines between individuals will be recorded in this book.

342. Material for the preservation of leather accoutrements in possession of troops will be provided under regimental arrangements.

343. Brown leather accoutrements, except bayonet scabbards, should be cleaned with yellow soap and preserved with dubbing made of mutton tallow 10 ounces, pure bees-wax 6 ounces and camphor 3 drams, mixed over a slow fire.

When brown leather accoutrements require to be cleaned from dust and dirt, they should be washed with yellow bar soap and water, and dried in the shade.

Bayonet scabbards should be cleaned with bees-wax only, which preserves and polishes the leather.

344. Black leather accoutrements should be dubbed occasionally, and polished with blacking and heel ball. Such parts of black leather accoutrements as would show brown when in use may be blackened with ordinary blacking but no other coloured matter, except as provided for in para. 345, is to be used.

345. Rifle battalions, British and Indian Infantry, are permitted to blacken, regimentally, without expense to the State, their brown leather accoutrements. The articles should be rubbed over with a cloth

moistered with kerosene oil to remove the grease from the surface, after which a coat of Indian Black, H. B. dye, should be applied. When blackened, apply a thin coating of dubbing and hang up in a cool place to dry. When dry, they will be ready for polishing.

The dye used should consist of 6 ozs of Indian Black, H. B. to 1½ gallons of water per 100 sets of accoutrements. About 1 gallon of Kerosene oil is required Indian Black, H. B., can be obtained from the Imperial Chemical Industries (India), Ltd., Cooks Buildings, Hornby Road, Bombay.

346. The use of scrubbing brush for the purpose of cleaning web equipment is forbidden. Dirty web equipment should be sponged with soap and warm water and afterwards rinsed in clean water and then thoroughly dried. Dusty or muddy equipment, when dry, should be brushed with only clothes brush.

When all dirt, mud and dust have been removed, apply such cleaning materials as are known to be harmless. These cleaning materials should only be obtained from regimental institutes or stores

347. Instructions for cleaning the bore of the ·22" rifle so as to preserve the weapon's accuracy at a high level for training purposes, are contained in Small Arms Training, Volume I. The loss of accuracy in ·22" rifles is almost invariably due to neglect and lack of care in cleaning On conclusion of firing, ·22" rifles will be cleaned without delay and inspected by an officer These rifles will be treated with the same care as service rifles

348. Camp kettles and steel washing basins before return to store after use are to be cleaned by boiling with a 5 per cent. solution of soda ash and rinsed. All rust should then be removed with wood ash or sand The kettles and basins should then be thoroughly rinsed and dried and coated lightly with mineral jelly inside and out to protect them from rust. It is not necessary to repaint camp kettles from which the lacquering has been worn off.

349. To prevent the injury caused by damp and mildew, blankets, nosebags, sheepskins, canvas and leather buckets, canvas, linen, cotton woollen, or leather articles which have become wet in use, will be thoroughly dried and cleaned by the troops before being returned into store

350. Ground sheets when utilized for packing kits will have the rubber side placed innermost and will not be unduly exposed to the sun. A cool dark place will be used for storage, and although storage in original packages does not lead to undue deterioration, this will be less if the bulk are stored flat one over the other, not more than 250 high.

351. Soapstone, powdered (coarse), may be demanded from the I. A. O. C. for the preservation of ground sheets, on the scale of 2 oz per annum, per ground sheet in unit charge.

352. The water-proof covers at present in general use in the service are wax-proofed To prevent spontaneous combustion and deteriora-

356. Ropes, heel, will be stored in an untreated condition, but before being taken into use will be treated regimentally with creosote, which will be obtained from the arsenal dependent at a scale of 1½ pints per 10 heel ropes. The creosote will be applied by hand with a pad of cotton waste or rags, as sparingly as will suffice to thoroughly impregnate the rope without saturating it Whenever practicable, the treated ropes may be allowed to dry before taking into use, in order to prevent the staining of clothes and other articles by contact.

357. Wooden half-wroughts are at all times to be covered with a plaster of mud and cow-dung, especially the ends and wherever the cross grain is exposed.

358. Mineral acids, ether, ammonia and spirits will always be carefully opened and examined away from other stores. If the bottle in which the fluid is contained is found broken, it should be buried after the cause of the damage has been ascertained If intact and in good order, it should be carefully repacked and stored with the pent top upwards, and in a separate room if possible

359. The use of oxalic acid or other injurious materials for cleaning equipment is strictly forbidden.

360. Care must be taken to protect the bottom plates of horse clippers from blows These are made of hard steel and are consequently brittle. Hand clippers must be kept in the case when not actually in use

361. Instructions for working, care and preservation of searchlights are embodied in the "Handbook of Searchlights Portable, Oxy-Acetylene, 16-inch and 20-inch" One copy will always be maintained with each searchlight, and these instructions carefully perused and carried out by personnel working searchlights

When searchlights are not in regular use they will be tested and cleaned at least once a month.

So far as possible, only trained personnel should handle searchlights In cases where this is impracticable arrangements will be made by G. Os C *Districts for personnel detailed to handle searchlights to* be instructed in working, care and preservation before assuming charge

Good storage accommodation should be provided for searchlights when not in use.

362. Respirators, *i.e.*, facepiece with service or training containers will be stored in a dry brick or stone store which should be substantial in design so that the temperature variations within may be as small as possible They should not be stored near the roof of a building Underground storage is perferable, no strong light must reach the facepiece.

Humidity conditions involving condensation of moisture on the interior of the building and on the contents are to be avoided, and tin lined cases will be utilised as far as possible The temperature variation of the store should not exceed a low limit of 35 degrees Fahrenheit

and a high limit of 90 degrees Fahrenheit. Local conditions may be such as to render these limits impossible, but these orders will be followed as far as possible.

For training containers only, no special storage conditions are required.

363. The player in whose care the instrument is placed will carefully [illegible] nce or twice a week. [illegible] the bore is all that [illegible] way from the joints and bore, and when perfectly dry inside an oiled rag or brush will be passed through the bore. *To protect the wood from splitting, the* instrument will not be placed in the sun, nor laid on cold stone or iron while warm or wet inside, and the cleaning rag will not be forced through the bore.

364. Surveying, mathematical, drawing, telegraph, and telephone instruments are not to be smeared with oil or mineral jelly These instruments are mainly constructed of gunmetal or brass and are lacquered or otherwise protected, it is therefore only necessary to wipe them over carefully with a slightly oiled soft rag, finally removing all oil No great amount of force should be used.

365. For the instructions for the care and preservation of range-finding, optical and scientific instruments, *see* Appendix 51.

SECTION XXV.—INSTRUCTIONS REGARDING ORDNANCE STORES AND PERSONAL EQUIPMENT TO BE TAKEN BY UNITS AND DRAFTS WHEN MOVING IN RELIEF.

366. The scales of ordnance stores to be taken by units moving in relief within Indian limits, except to and from Waziristan and Chitral, is as laid down in Appendix 42, Table 1 and general instructions.

The scales of equipment to be taken by drafts and details (including invalids) moving to and from Home and India and British other ranks proceeding on furlough are laid down in Appendix 42, Table 2.

The scales of personal equipment to be taken by British details proceeding on transfer to stations in or out of India, and British and Indian details proceeding on duty are laid down in Appendix 42, Table 3.

The scale of cooking and mess utensils for British troops, to be taken when moving in relief, is laid down in Appendix 42, Table 4.

367. The following special instructions are issued in connection with British Cavalry and Infantry Units moving in relief to India from Home or Imperial Stations :—

(i) A British cavalry and infantry unit arriving in India from a Home or Imperial Station will be in possession of the following forms (in triplicate) together with vouchers for any stores issued to the unit after the closing of the equipment ledgers at the old station duly prepared for use

at the Board of Survey which will be held at the final destination in India. These forms are :—

Valuation Form (India) " A "—Scale of equipment for Cavalry and Infantry

Valuation Form (India) " B "—Vickers Machine Guns and Equipment.

Valuation Form (India) " C "—Lewis Machine Guns and Equipment.

Valuation Form (India) " D "—Report on Small Arms

Valuation Form (India) " E "—Statement of stores on charge, etc.

Valuation Form (India) " F "—Tools for Armourers

These forms have been drawn up by the War Office and contain all *the items of equipment to be brought to India.*

(ii) Immediately after the unit's embarkation from a Home or Imperial Station the D. A. D. O. S. of the area from which the unit moves, will forward to the War Office a complete list of the stores which were due on indent to the unit but which were not issued prior to embarkation.

(iii) On arrival at the destination the Command Headquarters to which the unit proceeds, will make immediate arrangements for the survey of the equipment which will be conducted by a Board of Officers constituted as under—

A Field Officer not of the unit concerned . . .	President
An officer of the unit which conducted the preliminary inspection at the old station .	Member
The Deputy Assistant Director of Ordnance Services of the District or an Ordnance Officer . . .	Member

NOTE.—Warrant or senior non commissioned officers may be appointed to serve on the Board provided the convening authority is satisfied that they have the necessary knowledge

Command Headquarters will arrange for the attendance of a technical expert who will advise the Board in regard to the condition of machine guns, small arms, optical instruments etc

The C. C. M. A. attending the Board will indicate the number of Home pattern rifles in possession The C. O. O. will arrange to replace these rifles with others of Indian manufacture those withdrawn being examined, repaired as necessary, and set aside for re-issue to British units moving to the United Kingdom

The forms for the use of the Board will be prepared prior to assembly of the Board as directed on the form to show the particulars of the equipment brought to India The numbers of items should accord with the quantities shown in the valuation forms and vouchers for stores received by the unit after the closing of the ledger *see* clause (i). The value of any items on charge but not produced to the Board or not satisfactorily accounted for will be recovered from the unit under instructions from the Command Headquarters and credited to Indian

Revenues. Particulars of such items will be communicated to War Office by the Controller of Military Accounts when transmitting the Board's report (*see* clause v).

(iv) The Board assembled, *vide* clause (iii) above, will classify the stores into two categories, *viz.*, serviceable and unserviceable :—

(*a*) Serviceable stores will include all stores which were (except as provided below) in a serviceable condition on the date of embarkation for India.

Machine guns, rifles and pistols which are beyond local repair will be classified as serviceable, a note being made by the Board of the number of items so affected

Under no circumstances will machine guns, rifles and pistols be classified as 'unserviceable'.

(*b*) Unserviceable stores will include those unserviceable obsolete and items requiring factory repair (except as laid down in (*a*) above).

In cases of which stores have been rendered unserviceable as a result of wilful damage or negligence on the part of a soldier, or soldiers, during the voyage, the Board will so indicate, and the serviceable value will be recovered from the soldiers concerned and credited to Indian Revenues. Particulars of such items will be communicated to War Office by the Controller of Military Accounts when transmitting the Board's report.

With regard to any other unserviceable stores the Board will indicate whether, in their opinion, the stores were in a serviceable condition when the unit embarked.

(v) On the termination of the survey, *vide* clause (iv) above, the Board will complete their report in triplicate. One copy will be handed over to the Officer Commanding the unit. The other two copies accompanied by copies of the vouchers referred to in paragraph (1) will be forwarded through the Controller of Military Accounts concerned for transmission without delay to the War Office.

(vi) Normally any stores brought to India in excess of the scales shown in the form will be disposed of under instructions by the War Office either by payment by the unit, or return to War Office stocks at the expense of the unit. If, however, the excess items are current Indian equipment they will be accepted for transfer to Indian stocks under the certificate of the Deputy Assistant Director of Ordnance Services (or ordnance officer) attending the Board. Information regarding items so accepted will be communicated to the War Office when transmitting the Board's report.

(vii) Should the survey be unduly delayed from any cause, an
im report will be made by the Command Headquarters con-
c e Master-General of the Ordnance in India for communica-
Military Department, India Office, as well as to the War

(viii) Lists of unserviceable stores in possession of a unit joining the Indian establishment will be forwarded to the arsenal on which dependent for disposal instructions. The produce value of such stores will be intimated to the Controller of Military Accounts for credit (less 10 per cent.) to Imperial revenues. The Controller of Military Accounts concerned will notify particulars of gross and nett amounts, together with the details of the account in which credit is afforded to the Military Department, India Office.

(ix) The Officer Commanding will then bring the Indian equipment ledger the items of equipment brought to India using the copy of the forms received *vide* (v) above, as a voucher to support the entries in the Indian equipment ledger.

(x) The Officer Commanding will take steps to adjust the equipment in accordance with the scale and description of stores authorized in the appropriate Indian equipment regulations taking into account the equipment already shown in the Indian equipment ledger which he takes over on arrival at his station. The Indian pattern stores shown in these regulations (as distinct from stores of standardized pattern made in India) will be demanded from the arsenal on which dependent in exchange for the equipment of Home pattern stores brought to India Home pattern stores and rifles exchanged under these orders will be set aside in arsenals for re-issue to units proceeding to Imperial Stations.

368. The following special instructions are issued in connection with British cavalry and infantry units moving in relief to Home and Imperial Stations from India. These instructions are in amplification of those given on the valuation forms

(i) When a unit is under orders to leave India for a Home or Imperial Station a supply of the undermentioned forms will be made to the unit concerned by the Master-General of the Ordnance in India, Army Headquarters, at least two months prior to the departure of the unit from India, a copy of the forwarding memorandum will be endorsed to the Command concerned These forms are :—

	No of copies to be supplied.
Valuation Form (India) "A" Scale of equipment for Cavalry and Infantry	5
Valuation Form (India) "B" Vickers Machine Guns and equipment	5
Valuation Form (India) "C" Lewis Machine Guns and equipment	5
Valuation Form (India) "D" Report on Small Arms	4
Valuation Form (India) "E" Statement of stores on charge, etc.	4
Valuation Form (India) "F" Tools for Armourers	5

These forms have been drawn up by the War Office and contain particulars of all the items of equipment to be taken by the unit, and the scale and description of the stores shown therein will be strictly followed. Stores declared obsolete, either by the War Office or I. L

Cs. will not be taken out of India. Action to expunge obsolete items from the above valuation forms before issue will ordinarily be taken by A. Hqrs.

(ii) On receipt of the forms the Officer Commanding the unit will take immediate action for a preliminary inspection of all the equipment of his unit to be made by an officer of the unit (who will act as a member of the Board of Survey to be held on the arrival of the unit at its destination). The arms and machine guns will be examined by the C. C. M. A. of the area and where possible a technical inspection of all optical stores will be arranged for. The C. C. M. A. will also indicate the number of rifles of Indian manufacture or conversion requiring exchange. The D. A. D. O. S. of the district will attend the preliminary inspection and will keep in close touch with the unit to ensure that the equipment, etc., to be taken, is correct in all respects and that the orders laid down are understood and followed. He will countersign all indents submitted in this connection in token of their correctness.

(iii) The Officer Commanding will demand from the arsenal on which dependent, through the D. A. D. O. S. of the District :—

(a) All stores required to complete the unit's equipment up to the scale to be taken from India, and to replace all those items considered to be unserviceable or beyond local repair

(b) All Home pattern stores required to replace Indian pattern stores on charge (as distinct from stores of standardized pattern but of Indian manufacture) up to the scale laid down in the valuation form concerned.

Only those stores the marks and description of which are given in valuation forms will be taken out of India. If a unit cannot obtain any particular store or mark of store indented for from the Chief Ordnance Officer concerned it will leave behind the Indian pattern (as distinct from stores of standardized pattern but of Indian manufacture) or store of the wrong mark or description and move without them. The exceptions to this practice are :—

I. P. Legs of tripod mounting.—If Home pattern legs cannot be obtained I. P. legs will be taken Home.

Rifles.—Rifles of British manufacture of the mark shown in the statement are to be taken. If these rifles cannot be obtained from the Chief Ordnance Officer concerned Indian made rifles of the mark shown in the statement will be taken.

(iv) The Officer Commanding will, on the conclusion of the preliminary inspection, *vide* clause (ii) above, complete the valuation forms with regard to all items shown in the valuation forms which appear in the ledger and are being taken out of India and actually available on that date. He will then balance the ledger and verify the items remaining therein and after this has been done, will inform the Controller of Military Accounts concerned who will instruct his local Audit

Officer to audit the stores ledgers maintained by the unit and to keep in touch with the unit after the audit has been completed to carry out such further audit in respect of any further store transactions that may occur. The local Audit Officer will also look for loss statements or other supporting vouchers for the adjustment of discrepancies between the balances of the ledgers and those reported by the unit to be in possession. The result of the local audit will be communicated to the unit commander. Any delay on the part of the Officer Commanding in the adjustment of the accounts should at once be brought to the notice of the Controller of Military Accounts concerned by the local Audit Officer with a view to the matter being reported to the Superior Commander.

(v) The valuation forms will be disposed of as follows:—

(a) One copy each of the undermentioned forms will be attached to the Indian equipment ledger in support of the entries showing the equipment struck off to be taken out of India.

Infantry.	Cavalry.
Valuation Form A.	Valuation Form A.
Valuation Form B.	Valuation Form B
Valuation Form C.	Valuation Form F.
Valuation Form F.	

(b) Of the remaining four copies of the valuation forms, together with a copy vouchers referred to at clause (c) below, one of each will be sent by the Officer Commanding before leaving India to the Controller of Military Accounts for audit and transmission to the Military Department, India Office, and the other three copies of each will be taken by him for completion by the Board of Survey at destination and disposal in accordance with Appendix 3, E Rs. (Home), Part I.

(c) Copies of vouchers in respect of stores to be taken Home received after the Indian ledger has been closed will be retained by the unit for the information of the Board of Survey and disposed of along with the forms.

(vi) Stores supplied by the Indian Army Service Corps which are taken to the port of embarkation should be handed over to the Station Supply Officer at the station and his receipt for them forwarded to the Controller of Military Accounts concerned The cost of any article not so returned will be debited against the unit in its final accounts with the Government of India.

(vii) The Indian ledger and ration and other returns are not required by units in Home or Imperial stations and must be transferred with stores not taken with the unit, to the relieving unit and a receipt obtained for them. Where this cannot be done they will be handed over to an officer detailed by the Officer Commanding the station who will

the receipt; on arrival of the relieving unit, this officer will complete the transfer.

(viii) Immediately prior to the unit's embarkation, the Officer Commanding will forward certificates to the Chief Ordnance Officer of the arsenal on which dependent for transmission to the Military Department, India Office, showing:—

(a) that all repairs, cleaning, etc., within the capacity of the unit have been affected,

(b) the equipment of the unit to be taken out of India has been completed to the prescribed scale or if the equipment is not complete to scale a statement of deficient stores will be furnished together with particulars of indents on which items were demanded.

(ix) Immediately after the unit's embarkation the Chief Ordnance Officer will forward to the Military Department, India Office, a complete list of the stores which were due on indent to the unit to be taken out of India, but which were not issued prior to its embarkation No stores will be despatched to the unit after its embarkation except on specific instructions.

(x) On arrival at the final destination the Officer-in-Charge, Administration, in the command to which the unit proceeds, will make the necessary arrangements for the survey in accordance with the procedure laid down in Appendix 3, Equipment Regulations (Home), Part I.

369. Units other than Cavalry and Infantry normally move to and from India and Home Stations equipped as drafts, etc., the scale for which is as laid down in Appendix 42, Table 2. Any equipment taken Home in excess of this scale will be made out on I. A. F. Z-2103 and a copy forwarded to the Under Secretary of State for India

The scale of equipment of drafts and details will be carefully checked by the Officer Commanding the unit and action taken to ensure the replacement of any unserviceable equipment prior to embarkation.

Separate vouchers (I. A. Fs. Z-2096) showing the equipment in possession, will be sent to the Officer Commanding the unit or the Officer incharge Hospital for:—

(i) Married men transferred to the Home Establishment.

(ii) Individuals transferred to Vocational Training Centre.

(iii) Invalids.

(iv) Any other individual who is not likely to pass through the depot.

Consolidated vouchers (I. A. F. Z-2096) showing the *equipment* in possession together with a nominal roll of the personnel to whom the voucher refers will be forwarded to the Officer Commanding the unit in respect of all other details.

370. The equipment to be taken by Indian units moving to Imperial stations (except Hong Kong) will be as laid down in Appendix 42, Table I. The equipment will be inspected by a Board of Survey, before departure in the case of units moving out of India, and on arrival, in the case of units moving into India. The Board will consist of a field officer (not of the unit concerned), a captain of the unit and an ordnance officer. It will assemble three months before the unit is due to embark in the case of the unit proceeding *ex*-India and as soon as possible after the arrival of the unit at its destination in the case of units arriving in India. A technical expert will attend the board to carry out the examination of small arms, machine guns, etc.

All equipment, if serviceable, will be classified as new for the purpose of financial adjustment; this adjustment will be carried out by the C. M. A. direct through the Accountant General, Central Revenues.

Manuscript forms for use by the Board of Survey will be made out as required to show :—

1. Description of stores.
2. Number on charge.
3. Number produced for survey.
4. Condition—Serviceable or Unserviceable.
5. Value.
6. Remarks.

In the case of outgoing units 4 copies of the form will be required. The Superior Commander will forward 4 copies of the form to the C. M. A. who will, after audit, complete the column 'value' and dispose of them as indicated below.—

2 copies will be sent to the O. C., outgoing unit, one copy to be taken by him to support his new ledger and the other copy to be handed over to the relieving unit to support the latter's ledger.

Of the remaining 2 copies, one will be transmitted to the Accountant General, Central Revenues, for necessary adjustment in this connection and the other retained by the C. M. A. for record.

In the case of incoming units 3 copies of the form will be prepared and disposed of in the above manner except that only one copy will be given to the unit.

371. Waterbottle covers, repaired *vide* para. 258-A, will not be taken by British units, drafts or details proceeding from India to Home and Imperial Stations.

372. Stores left behind will be disposed of in accordance with R. A. I., Para. 839.

373. The following articles of mobilization equipment will be taken by units moving to and from the Waziristan District :—

Sheets, ground	1 per I. O. British and I. O. R. and class I follower.
Covers, breech	1 per rifle.
Bags, ration, B. T.	1 per B. O. R.
Bottles, water	1 per class I follower.
Carriers, waterbottle, I. T.	1 per class I follower.
Belts, waist, B. E. leather	1 per class I follower.
Haversacks, followers	1 per class I follower.
Tins, ration—	
B. T.	1 per B. O. R.
I. T.—	
Large	1 per I. O., I. O. R., and class I follower.
Small	1 per I. O., I. O. R and class I follower.
First field dressing packets	1 per British and Indian Officer, British and I. O R. and class I follower.
Lines, bedding	1 per I. O., British and I O. R. and class I follower.

374. British and Indian Infantry battalions moving to and from the Waziristan District will take over machine gun mules on arrival at their destinations.

For the carriage of Lewis and Vickers guns on the portion of the journey to be made by road within Waziristan District, I. A. S. C. mules will be provided. As these mules are equipped with universal packsaddlery only, units will take from their starting stations articles of carrying equipment necessary to enable their machine guns to be carried on I. A. S. C. mules ready for immediate use.

375. Units when proceeding to and on return from Chitral will have their arms, etc., specially examined

376. Schoolsmasters boxes will always be taken by schoolmasters leaving India.

SECTION XXVI.—INSPECTION OF EQUIPMENT BY EXPERTS.

(*Under Revision*)

APPENDICES.

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MGIPC—M—I-183(PD III)—4-5-32—7,000

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Appendices 1 to 58

Price Re. 1-2 or 2s.

APPENDIX 1

TO

Equipment Regulations, India, Part I, 1933.

APPENDIX 1.

(Referred to in paragraph 117.)

Station Stores.

TABLE 1.—*Special station stores.*

Description of stores.	Scale.	Remarks.
Section A-1.		
Belts, waist, B E, leather	50/36 for use at the special attached section, Bombay. Karachi by un-equipped men for walking out purposes.	
Caps, knee, I P.	12 for Jamrud and Bannu.	
Section B 1		
Scabbards, bayonet, No 1	1 per bayonet, patt '03.	
Rifles, No 1	10 for H Qrs, Western Command.	For use by staff officers when touring in areas where arms have to be carried.
Bottles, oil	1 per rifle, No. 1	Also 1 per musket for the detachment guarding the Ordnance Depot, Drigh Road.
Pullthroughs—		
Single, "B"	1 per rifle, No. 1	Also 1 per musket for the detachment guarding the Ordnance Depot, Drigh Road.
Gauze "A"	1 per rifle, No. 1	Also 1 per musket for the detachment guarding the Ordnance Depot, Drigh Road.
Section B-3		
Bayonets, patt '03 (c)	1 per musket, ·410-in. bore	Not for the detachment guarding the Ordnance Depot, Drigh Road.
Muskets, ·410 in bore	For infantry units as follows — British infantry— 55 per battalion at Nowshera and Peshawar, 18 for the British infantry detachment at Port Blair and 8 per battalion at Jubbulpore (a) Indian infantry— 45 per battalion at Nowshera and Peshawar, 30 per battalion at Drosh; 24 per battalion at Malakand, 23 per battalion at Dargai, 20 per battalion in the Kohat Brigade, 24 for Rawalpindi Fort, 10 per battalion at Chitral, Fort William, Mardan, Chaman, Pishin and in the Bannu Brigade, 8 for Attock Fort, 8 for Jamrud (b), 6 for Razmak, 4 for Kohat Fort.	

(a) For night sentries on duty at the Gun Carriage Factory.

(b) For the Bagiari and Mackeson railway bridges in the Khyber during the hot weather. Ammunition for these muskets may be demanded as required.

(c) Will not be issued if pattern '07 bayonets are already part of the unit equipment nor in cases to the extent where D. P. bayonets are already held.

APPENDIX 1—*contd.*

TABLE 1—contd.

Description of stores.	Scale	Remarks.
Section B-3—concld.		
Muskets, ·410-in bore—*concld.*	4 for the detachment guarding the Ordnance Depot, Drigh Road.	
Section C-1.		
Aim correctors, Lewis, ·303-in., M. G. *Holders, A. A., Lewis, ·303-in.,* M. G. Indicators, range stadia, M. G. Mountings, tripod, A. A., Lewis, or Hotchkiss, ·303-in., M. G. Sights, A. A.— Back, Lewis, ·303 in., M. G. (*a*) Fore, Lewis, ·303 in., M. G. (*a*)	(Sets) 16 for the 1st Indian infantry brigade, for *use in the Landikotal* and Peshawar Area. 12 for the 3rd Indian Infantry brigade, for use in the Peshawar Area. 8 for Attock bridge to be held as follows — 4 by the Indian infantry detachment at Attock. 4 by the British infantry battalion at Sialkot. 2 for Khushalgarh bridge to be held by the infantry battalion at Ambala. 4 for Quetta Arsenal. 6 for the Chaman Kila Abdulla Area.	
Section D-1		
Bags, nose, special . .	1 per horse for units in Western Command.	To be issued in lieu of the ordinary pattern on the recommendation of the A. D. V. S., Western Command, for training camps and manœuvres.
Bits, H. M. D., I. P. .	*2 for use with the mule tonga at* the British military hospital, Agra.	*Only to be demanded* when replacements are necessary.
Breechings—		
P. G. S., I. P. . .	2 for use with the mule tonga at the British military hospital, Agra (*b*), 5 for Kalabagh and 10 each for Baragali and Khyragali (*c*).	
Buckets, rifle, Mk. II* . .	24 for Fyzabad	For Internal Security purposes.
Collars, breast—		
H. M. D., I. P. (*b*) .	2 for use with the mule tonga at the British military hospital, Agra.	

(*a*) 4 for Landikhana.
(*b*) Only to be demanded when replacements are necessary.
(*c*) For the carriage of water.

APPENDIX 1—*contd.*

TABLE 1—contd.

Description of stores.	Scale.	Remarks.
Section D-1—contd.		
Collars, breast—*concld.*		
P. G. S., I. P (*b*) . .	5 for Kalabagh and 10 each for Baragali and Khyragali.	
Collars, head, P. G. S, I. P. (*a*).	2 for use with the mule tonga at the British military hospital, Agra	
Covers, pad, P. G. S, I. P. .	5 for Kalabagh and 10 each for Baragal. and Khyragali (*b*); 9 for Razmak (officer-in-charge, Post Stores)	
Cruppers, P. G. S, I. P. .	2 for use with the mule tonga at the military hospital, Agra (*a*). 5 for units located at Kalabagh and 10 for units at Baragali and Khyragali (*b*).	
Girths, P. G. S., I. P. . .	4 for use with the mule tonga at the British military hospital, Agra (*a*) 10 for units located at Kalabagh and 20 each for units located at Baragali and Khyragali (*b*).	
Heads, bridoon, P. G. S., I. P.	2 for use with the mule tonga at the British military hospital, Agra (*a*).	
Leathers, stirrup, S U. . .	2 per ambulance saddle for Hindubagh, Pishin and Chaman	
Machines, horse clipping, grinding attachment	1 for the detachment of cavalry located at Calcutta.	
Pannels, P G. S., I. P. prs.	2 for use with the mule tonga at the British military hospital, Agra (*a*), 5 for Kalabagh and 10 *each for* Baragali and Khyragali (*b*).	
Reins, driving, H M. D., I P. (*a*) . . prs	1 } For use with the mule tonga at the British military hospital, Agra	
Rods, connecting, H M. D., I. P (*a*)	1 }	
Ropes, baggage, P. G. S., I P. . . . . prs.	80 for each Gurkha battalion stationed at Dharamsala 120 for Khyragali, Murree hills, for the purpose of drawing rations.	

(*a*) Only to be demanded when replacements are necessary.
(*b*) For the carriage of water.

APPENDIX 1—*contd.*

TABLE 1.—contd.

Description of stores.	Scale.	Remarks.
Section D-1—concld.		
Saddles— Ambulance, P. G. S., I. P. (*b*).	20 for Hindubagh and 10 each for Pishin and Chaman.	
P. and D., P. G. S., I. P.—		
No. 3	5 for units located at Kalabagh and 10 each for units located at Baragali and Khyragali (*b*).	
Saddlery, universal, (*c*) sets	6 for Samana	
Stirrups, steel . . .	2 per ambulance saddle for Hindubagh, Pishin and Chaman.	
Straps— Girth, P. G S., I. P. . .	8 for use with the mule tonga at the British military hospital, Agra (*a*); 20 for Kalabagh and 40 each for Baragali and Khyragali (*b*).	
Supporting, trace, H. M. D., I. P.	4 for use with the mule tonga at the British military hospital, Agra (*a*).	
Swivels, saddle, P. and D (*a*) .	2 for use with the mule tonga at the British military hospital, Agra.	
Traces, wire, H M D, I. P. (*a*)— Near		
Off		

(*a*) Only to be demanded when replacements are considered necessary.
(*b*) For the carriage of water.
(*c*) Modified sets, each set comprises of —

Bits, portmouth, reversible, small .	1
Blankets, saddle .	1
Collars, head, S U, small	1
Heads, bridle, S U, small	1
Girths, S. U, small	1
Leathers, stirrup, S U	2
Reins, bit, S. U. .	1
Saddles, S. U., patt. '02, I. P.	1
Stirrups, steel, large	2

H

APPENDIX 1—*contd.*

TABLE 1.—contd.

Description of stores.	Scale.	Remarks.
Section E-1.		
Carriage, ambulance, stretcher, I. P.	*Northern Command.* Peshawar District . . 5 Rawalpindi " . . 13 Lahore " . . 4 Waziristan " . . 6 Kohat " . . 3 *Eastern Command.* Meerut district . . 32 Presidency and Assam district 10 Lucknow district . . 12 *Southern Command.* Deccan district . . 13 Mhow " . . 6 Bombay " . . 6 Madras " . . 11 Poona indpdt. brigade area 2 *Western Command.* Baluchistan district . 7 Zhob indpdt. brigade area 10 Burma indpdt. district . 8	The allotment to units in stations where the carriage can be used, is left to the discretion of the district commander. Petty repairs to these carriages will be carried out locally but those requiring expensive repairs will be sent to the nearest arsenal.
Section F.		
Bags, tool, No. 2 (filled) (*a*) .	1 for Quetta	For the use of isolated detachments.
Iron, branding— Figures, 0 to 8— 3-in. . . . sets ½-in. . . . "	1 1 } per station where units are located having machine guns and no mules are in charge of the I. A. S. C.	Where necessary. Each machine gun mule will be branded, on near fore-hoof with initial letter of station, on off fore-hoof with its serial number and on off side of neck with last figure of year of purchase.
Letters, ½-in., letter— (Initial of stations) sets .	1 per station where units are located having machine guns.	

(*a*) For detail, see Appendix 16, Table 3.

TABLE 1.—contd.

Description of stores.	Scale.								Remarks.
	British cavalry regiment.	Indian cavalry regiment.	Corps of sappers and miners.	Frontier garrison artillery.	British infantry battalion.	Indian infantry battalion.	Transport units (Animal).	Transport training companies each.	
Section F—contd.									
Stamps, steel, for metal, ¼-in.—									
Figures, 0 to 8 . . sets	..	1	1	1	1	1	1	2	For marking identity discs.
Letters, sets . . „	1	1	1	1	1	1	1	2	
	Sets of each—								
	2 per station at each of the following stations :— Meerut and Secunderabad								1 for R. H. A., 1 for Field batteries, R. A.
	1 per station at each of the following stations :— Sialkot, Risalpur, Agra, Lucknow, Fyzabad, Bareilly, Banga- [illegible] Razmak, Jutogh, Dehra Dun, Kohat, Bara-Galli, Fort Sandeman, Kalabagh, Landikotal, Abbottabad, Khyragali, Drosh, Maymyo, Ambala, Cawnpore, Delhi, Karachi, Bombay, and Muttra								[illegible] Field, Heavy, Medium and Mountain batteries, R. A.
Tools, for the repair of web equipment (scale authorised for 400 men, *vide* Appendix 10) .	1 set for Muzzafferpore, Barrackpore and Tibet.								For infantry detachments.

APPENDIX 1—*contd.*

TABLE 1.—contd.

Desctiption of stores.	Scale.	Remarks.
Section F—concld.		
Gerrard, wire, tying machine .	Razmak Mir Ali . . . . 2 Bannu . . . . 1 Manzai . . . . 1 Wana 1 1	For use by units located at these stations for wiring cases and bundles, etc. These machines will be held on charge of station staff officers or as post stores and will be placed at the disposal of units requiring them.
Section G-2.		
N. I. V.		
Wires, binding, galvanized (Gerrard).	As required	Demands to be submitted only by those S. S. O's and O's i/c Posts, who hold machines on charge.
Section H-1.		
Grease, lubricating . lb	As required for units having a fixed allotment. Cost to be met from fixed allotment. 8-ozs per vehicle per month for others	For carriages, ambulance stretcher.
Section H-2.		
Cordage, manilla, hawser, 2-in. . . . fms	10 for the saluting battery at Manora. 12 for Allahabad Brigade Area Headquarters	
Malmal, 44-in. . . yds.	5 per 100 men annually for the troops in the Waziristan district for use during hot weather	
Section J.		
Axes—		
Felling	1 For use by the improvised medical unit earmarked to accompany the moveable column from Lucknow.	
Pick, 4½ lb —		
Heads	1	
Helves	1	
Chaguls, G S	4,000 Peshawar, 2,000 Kohat 300 Chitral.	Held in reserve for issue to movable columns when ordered to undertake minor operations.

APPENDIX 1—*contd.*

TABLE 1.—contd.

Description of stores.	Scale.	Remarks.
Section J—contd.		
Covers, waterproof— 18 ft × 12 ft.	10 for use in the Rest Camp at Rawalpindi for the protection of baggage, etc, from the weather	
Dahs, Mk. I, scabbards	Shillong . . 500 Mandalay . . 500 Maymyo . . 500	For special bush fighting equipment.
Flagstaffs, camp— 40 feet (*a*), (*b*), (*c*), (*e*) 30 feet (*d*), (*e*)	As required for Their Excellencies the Viceroy and Commander-in Chief; 1 per command, district or Brigade headquarters	
Sheets, ground	30 Maymyo	Held in reserve in British military hospital, Maymyo, for issue to men of the I H. C. when detailed for duty with the Upper Burma movable column.
Shovels, G S	2 for use by the improvised medical unit earmarked to accompany the movable column from Lucknow.	
Tanks, canvas, 1,500 galls.	3 Kohat	To be held in reserve for issue to mobile columns when ordered to undertake minor operations.

(*a*) A 60 ft. flagstaff is allowed for the saluting battery at Manora

(*b*) Permanent flagstaff will be supplied and replaced by the M E S, *vide* Regulations for the M E S (India) Movable jointed flagstaff and halyards for all flagstaffs will be supplied by the Ordnance Corps.

(*c*) 1 for the saluting battery at Bombay, 1 at Lucknow and Poona for ceremonial parades.

(*d*) Two each for the Allahabad Brigade Area and Officer Commanding at Baroda.

(*e*) Guys and halyards to be demanded separately.

APPENDIX 1—*contd.*

TABLE 1.—contd.

Description of stores.	Scale.	Remarks.
Section J—concld.		
Tanks, canvas, 1,500 galls.—*concld.*	3 Peshawar	To be held on charge of No. 4 Field Company, S. and M., for issue to Emergency columns when ordered to undertake minor operations.
Tanks, mule	256 Peshawar, 128 Kohat, and 24 Chitral. 4 for use by the improvised medical unit earmarked to accompany the movable column from Lucknow.	To be held in reserve for issue to mobile columns when ordered to undertake minor operations.
	75 Alimasjid, 30 Landikhana, 8 for the garrison at Chahbar in the Persian Gulf Ports.	For watering purposes for picquets
	200 Peshawar district	For use by the pack water column at Landikotal.
	8 Dargai	For filling water tanks on Picquet hill above Dargai.
Section K.		
Chests, treasure, small	3 for Malakand; 1 for each of the following out-posts:—Khajuri Kach, Nili Kach, Spinkai Kach, Jatla, Garhi Manjhi, Jandola, Zam, Drazinda, and Mullenzai.	
Chests, treasure, large	3 for Wana.	
Clocks, tell-tale, portable with cases	Allahabad 1 Ferozepore 2 Kirkee 1 Quetta 3 Rangoon 1 Rawalpindi 2 Cawnpore 2 Lahore 2	For the use of patrols in arsenals and Ordnance depots.
Dials	400 annually per clock, tell-tale in use.	

APPENDIX 1—*contd.*

TABLE 1.—contd.

Description of stores.	Scale.	Remarks.
Section K—contd.		
Flags—		
Blue, ensign . . .	1 for Fort St George, Madras	Flags can be exchanged or bunting to repair them issued at any time on indent
General officers—		
6-ft.×3-ft. . . .	1 for each of the Bombay, Sind, Rajputana, Madras and Burma districts for use in boats.	
Red, ensign . . .	1 for Fort St. George, Madras	Flags can be exchanged or bunting to repair them issued at any time on indent.
Union—		
6-ft.×3-ft. . . .	1 for H. E. the C in-C, 1 for each Army Commander, 1 per district or brigade headquarters (2 for Allahabad), 1 per arsenal or fort (2 for the forts at Agra and Delhi), 1 for each of the clothing depot and factory, Shahjahanpur, 1 per ordnance factory, 1 for the Assembly factory, Rawalpindi, 1 for the Proof and experimental establishment, Balasore, 1 allowed annually for forts Parachinar and Wana, 1 for the saluting battery at Bombay and 1 each for the military posts at Alexandra Ridge Picquet, Mir-Ali Manzai and Razmak, and 1 for Baroda.	
12-ft.×6-ft. . . .	1 for H E the C-in C., 1 for the G O C. the troops, Secunderabad, for ceremonial parades, 1 for each district headquarters in India and Burma	
21-ft.×10½-ft. . . .	1 for H. E the C. in-C., 1 for each Army Commander, 1 for each arsenal or fort (except Coast defences), 1 for the clothing depot, Shahjahanpur, 2 for the forts at Agra and Delhi and 1 at Lucknow, Poona and Secunderabad, for ceremonial parades, etc.	

APPENDIX 1—*contd.*

TABLE 1.—contd.

Description of stores.	Scale.	Remarks.
Section K—concld.		
Flags—*concld.*		
Viceroy— 21-ft. x 10½-ft.	1 for H. E. the Viceroy, 1 for Fort William	
12 ft. x 6-ft.	2 for H. E. the Viceroy.	
6-ft. x 3 ft.	2 for H. E. the Viceroy.	
White, ensign	1 fo Fort St. George, Madras	Flags can be exchanged or bunting to repair them issued at any time on indent.
Stretchers, ambulance	12 for use by the improvised medical unit earmarked to accompany the movable column from Lucknow.	
Section L.		
Balances, spring, 200 lb.	1 for mule purchasing officer at Kalimpong, 1 each for the Indian infantry detachments located in the Attock Fort, Pishin and Mastung. 1 each for the following stations in the Murree hills for weighing coal, etc. :— Khanspur, Upper Barian, and Lower Topa. 1 for the use of the Indian mountain battery sending a section to Drosh.	
Bells, Mk. II	1 per garrison guard.	
Handcuffs, common, No. 1 prs.	6 per garrison guard	Where necessary.
Safes	1 for Chakrata.	For S. S. O., Chakrata, for the safe custody of public funds.
Scales, weighing provisions, B. T., Mk. II (a).	1 for Fort Sandeman.	
Scales, weighing provisions, Indian troops (with weights)	1 for the Indian attached section, Quetta.	For weighing rations issued to men passing through Quetta

(a) Scales, weighing, I. B., 14 lbs. (with weights) will be issued in lieu until stock is exhausted.

TABLE 1.—contd.

Description of stores.	Scale	Remarks.
Section L—concld.		
Scales, weighing, I. B., 5-cwt. (with weights)	2	For Indian units located in the Sind (Independent) Brigade Area for weighing firewood.
Traps, rat	250 for Jamrud, 100 for Ali Masjid, Landikotal and Landikhana. 100 Razmak, 50 Manzai, 50 Bannu and 24 Indian Infantry lines, Trichinopoly.	For lines of units and for use in posts and picquets.
Utensils, cooking, I. T., 4 men sets	10 for O. C., Dargai	For the use of I. O. R's parties proceeding to and from units in Chitral.
Section Q 1.		
Cartridges, S. A.— Ball, ·303 in. rds	20 per rifle for H. Qrs., Western Command, and 40 per rifle authorised for Harnai, Loralai, Murgha and Fort Sandeman.	
Buckshot, B. L., S. B. ·410 in. bore "	25 per musket, B. L. ·410-in. bore (*a*).	
Matches, fuzee, safety	40 for equipment 20 for annual practice.	per oxy acetylene searchlight.
Section Q-2.		
Cartridges, S. A.— Dummy, ·303-in., U. rds	20 per armament artificer	
Section V-2		
Thermometers, common	1 per magazine or cartridge store, except Coast defences	
Watches, stop, ⅕ second	4 for the rifle ranges at Bangalore	

(*a*) Ammunition which becomes defective through being carried loose should be issued to recruits for practice.

APPENDIX 1—*contd.*

TABLE 1.—contd.

Description of stores.	Scale.	Remarks.
Section W-1.		
Ladders, scaling, 9-ft.	4 for Nasirabad, 6 per station at Ahmednagar, Baroda, Bhuj, Deesa, Hyderabad, Kamptee, Neemuch, Satara and Rajkot, 6 per B. I battalion at Ahmedabad, Allahabad, Bangalore, Karachi, Lucknow, Madras, Mhow, Poona, Rawalpindi, Secunderabad and Ambala, and 12 per B. I. battalion at Fort William and Peshawar.	At Bombay and Kirkee ladders will be obtained on loan from the I. A. O. C. when required.
Sandbags	2,700 for Dera Ismail Khan.	
	500 for Barrackpore	For Jafferpore rifle range.
Section W-2.		
Bulbs, 3 5 volt, "P"	1 each for Bannu, Dardoni and Jamrud.	
Cable, electric . . miles	8 for the rifle range at Bangalore.	
Cells, dry unit torch	12 each for Bannu, Dardoni and Jamrud.	Includes 3 per torch spare.
Torches, hand	2 each for Bannu, Dardoni and Jamrud.	
Section Y.		
Pins, earth, small	16 } For the rifle range at Bangalore	
Telephones, sets, No. 110	16 } For the rifle range at Bangalore	Complete with cells.
Section 18-A.		
Ordnance, S. B. or R. M. L. (as available).	1 per station as a time gun as authorised by Appendix 17	With suitable carriage and with the stores necessary for cleaning and firing only.
Section 25-A.		
Searchlight, portable, oxy-acetylene—20 in.	*Peshawar district.* Peshawar 4	
	Lahore district. Ferozepore 4	

APPENDIX 1—*contd.*

TABLE 1.—contd.

Description of stores.	Scale.		Remarks.
Section 28-4—concld.			
Searchlight, portable, oxy-acetylene—	*Waziristan district.*		
20 in.	Mir Ali	1	Converted to electricity.
	Baluchistan district.		
	Chaman . . .	2	
	Hindubagh . . .	1	
	Zhob Indpdt Brigade Area.		
	Loralai	2	
	Murgha	2	
	Fort Sandeman . .	2	
	Peshawar district.		
16 in	Peshawar	4	
	Kohat district		
	Kohat	2	
	Waziristan district.		
	Mir Ali	1	Converted to electricity.
	Baluchistan district.		
	Quetta	2	
	Equipment per searchlight.	Annual supply per searchlight.	
Searchlight, portable, oxy-acetylene—			
Charges—			
Acetylene—			
20-in.	160	80	
16-in.	160	120	
Oxygenite—			
20-in.	160	80	
16-in	104	80	
Power lighting tins . .	8	4	
Special lead grease tubes .	2	..	
Zirconia cylinders . .	34	17	

APPENDIX 1—*contd.*

TABLE 1.—concld.

Description of stores.	Scale.		Remarks.
Miscellaneous			
Ground sheets, unserviceable .	All units upto a maximum number of 20 per cent of men who are required to undergo instruction in musketry (a).		
M. S. D. Supplies.			
Suspension bars for stretchers (P. V. No. 1005).	C. I M H, Wana . .	2	For use with movable columns.
	C I M H., Razmak .	2	
	C. I. M. H., Bannu . .	2	
	C I. M. H, Kohat . .	2	
	C. I M H, Thall .	1	
	B. M H, Peshawar .	2	
	I. M. H, Peshawar .	2	
	C. I M H, Landi Kotal	2	
	I M. H, Quetta	4	
	I M. H, Karachi . .	2	
	I M. H., Chaman . .	2	
	I M H, Loralai	2	
	I M H., Fort Sandeman	2	
	I M. H., Hindubagh .	2	
	B M H, Maymyo	1	
	B M H., Mingaladon	1	

(a) For protection of clothing during musketry instruction. To be provided by units from their condemned equipment. The corners will be cut off to a depth of 4 inches. When no longer fit for musketry instruction, they will be written off charges on certificate vouchers and replaced from fresh condemnations. Any deficiency from this source will be demanded from the Ordnance Corps.

APPENDIX 1—*contd.*

TABLE 2.—*Stores to be maintained for the use of the Infantry Brigades in the Khyber Pass.*

Description of stores.	Number or Quantity.	Remarks
Section D-1.		
Ropes, baggage, P. G S., I P. . . . . prs	50	To be held at Landi Kotal.
Section J		
Helves, pickaxe	200	
Shovels, G. S —		
Helves	200	
Section H-1		
Hammers, miners, sledge	50	
Pickets, angle—		
Long . . .	2,000	
Short . . .	1,000	
Sandbags	50,000	
Tapes, tracing	50	
Wire, barbed, No 12½ S W G. . . cwts.	1,000	
Section H-2.		
Cables, electric, D. 2 . . . . miles	12	
Cells, inert, "S"	50	

APPENDIX 1—*contd.*

TABLE 3.—*Station stores for training purposes.*

(*a*) Detail of stores comprising a combined "general" and "entrenching" set for use in conjunction with unit equipment of picks, shovels, etc.

NOTE 1.—One set is allowed for two (or less) British and Indian (active) infantry battalion in a station.

NOTE 2.—Stored in unit charge as may be ordered by the station commander but may be transferred temporarily from one unit to another of any arm of the service at his discretion.

NOTE 3.—Stores marked (*a*) are expendible and need not be entered in equipment ledgers. The quantities so marked are the maximum which may be demanded in any one year. The unused balance in hand should be taken into account when demanding replacements.

Articles.	Number per set.	Remarks.
Section F.		
Saws, hand, 26-in.	1	
Section G-2.		
Wire, galvanised iron, No. 14, S. W. G. (*a*) . cwt.	1	
Section J.		
Axes, hand, Mk. II	6	
Mauls, heads	6	
Helves, pickaxe	6	
Section W-1.		
Tapes, tracing	6	

APPENDIX 1—*contd.*

Table 3.—contd.

(*b*) Detail of stores comprising a "wiring" set.

Note 1.—One set is allowed per British and Indian (active) infantry battalion, three sets per headquarters of sappers and miners and one set per Field Troop, Field Company and D. H. Q. Company, S. & M. detached from Corps Headquarters.

Note 2.—Stored in unit charge, but may be transferred temporarily from one unit to another of any arm of the service at the discretion of the station commander.

Note 3.—Stores marked (*a*) are expendible and need not be entered in unit equipment ledgers. The quantities so marked are the maximum which may be demanded in any one year. The unused balance in hand should be taken into account when demanding replacements.

Articles.	Number per set.	Remarks.
Section F.		
Pliers, sidecutting, 7-in . . . . . prs	1	
Section G-2.		
Wire, iron, No. 24 S. W. G. (*a*) . . . cwt.	0-1-2	
Section W-1.		
Pickets, angle—		
Long	36	
Medium	56	
Short	34	
Wire, barbed, No. 14, S. W. G. (*a*) . . cwt.	8	
Wire entanglements . . . . . . coils	6	
Spikes	3	
Staples (*a*)	60	

APPENDIX 1—*contd.*

TABLE 3.—concld.

(*c*) Entrenching tools authorized for Gurkha Rifle Training Companies when not located at the same station as the parent battalion.

Articles.	Number per set.	Remarks.
Section F.		
Crowbars, steel, 3-ft. 6-in.	1	
Section J		
Axes, pick—		
Heads, 4½-lbs.	12	
Helves	18	
Shovels, G. S.	12	

APPENDIX 1—*contd.*

TABLE 4.—*Tools authorised for road making.*

ARTICLES	Barian	Bara Gali	Chakrata (c)	Cherat (d)	Dagshai (d)	Dalhousie (a)	Gharial (d)	(Scale per 100 men except where otherwise stated.) Ghora Dakka	Jutogh	Kalabagh (a)	Kasauli (a)	Khyragali	Kuldana (d)	Landour (a)	Lower Topa (a)	Mount Abu (a)	Murree (a)	Nainital (a)	Purandhar (a)	Ranikhet Area (a)	Solon	Sabathu (a)	Wellington (a)
SECTION F																							
Crowbars, steel (b)				2	2				2	4		4	4		4	3	4		1	8	..	5	.
Hammers, plate layers, sledge				1	1		2		1	2	2		2		2		2	.	..	8	.	2	.
SECTION J.																							
Axes, felling	.			1									1		1	.	..	..	..	..	1	1	.
Axes, pick G.S.—																							
Heads	16							8	5	4	6	20	.	6	20	24	24	2	24	105	6	20	20
Helves	8							8	5	4	6	20	.	6	20	24	24	2	24	105	6	20	20
Hooks, bill			4	1	2			.	2				4	.	4	4	4	.	.	60	6	4	10
Shovels, G. S.	12					24		8	10	.	6	20	.	4	20	36	24	2	24	105	..	20	40
SECTION K																							
Barrows, wheel, I. P.	5	4		1	2	.	2	2	3	2	2	5	5		5	7	8	1	2	80	1	5	5
SECTION W 1																							
Rammers, earth, I. P.	10	5	1	2	4		2		5	10		6	10		10		.	.	.	.	.	10	.

(a) Scales shown under these stations are for the whole stations.
(b) Sizes to be stated in demands.
(c) No special allowance of pickaxes and shovels is authorised for these stations as they are headquarters stations of British Infantry units which hold these tools on charge, *vide* E. T. a., India, Part 2.
(d) Battalions moving up for the summer to these stations will take with them every year 20 pickaxes and shovels from the station stores allowed by E. Rs. India, Part 2, Section I A. These will be replaced as worn out, on demand at permanent stations in the plains, and not at temporary stations in the hills.

APPENDIX 1—*contd.*

TABLE 5.—*Stores to be held on charge in Tibet by the O. C., Troops, Tibet.*

Description of Stores.	Number.	Remarks.
Section L.		
Lanterns, hurricane	52	For lighting of barracks.
Section W-1.		
Sandbags	70	For weapon training.
N. I. V.		
Stoves, caldon, No 10	5	For heating purposes
Stoves, eclipse	5	

APPENDIX 1—*concld.*

TABLE 6.—*Tools for gardening purposes.*

Units	Spades.	Barrows wheel.	Hoes, weeding		Pots, watering.		Rakes garden. (*d*)
			Hoes	Handles.	Large.	Small.	12"
British Cavalry	32	8	8	24	8	8	16
British battery of Artillery, Headquarters and District Establishment, R. A. Divisional Ammunition Column	12	2	3	7	2	2	4
Field Brigade Ammunition Column	6	1	2	1	1	1	2
Signal Training, Centre and Depot	30	6	10	16	5	5	6
Corps and Divisional Signals	20	3	3	7	2	2	4
District Signals	12	2	3	7	2	2	4
Cavalry Brigade, Signal Troop	6	1	1	3	1	1	2
Armoured Car Company	12	2	3	7	2	2	4
British Infantry Battalion (*a*) (*b*)—Scale, "A" (*c*)	50	5	10	30	10	10	20
Scale, "B"	20	5	10	20	5	5	10
Chaklala (for British ranks of Mechanical Transport units)	12	2	3	7	2	2	4

(*a*) Sc[illegible]

Sc[illegible]

(*b*) For permanent detachments, actual requirements may be demanded up to the limit of scale "B"

(*c*) Also applicable to the battalion stationed at Victoria Barracks Rawalpindi, except that 20 spades only are admissible

(*d*) Old pattern rakes (i e., 10-in and 15-in) will be used up first.

NOTE 1 —These tools are station stores and, except for temporary moves to the hills, will not be taken by units when changing stations

NOTE 2 —Maximum scales are shown but should only be demanded if required

APPENDIX 2

TO

Equipment Regulations, India, Part I, 1933.

APPENDIX 2.

(Referred to in para. 217.)

Signal pistols and cartridges.

TABLE 1.—*Scale of 1½-inch signal pistols and cartridges for defences and posts.*

Posts.	Scale of pistols per post.	Remarks.
Northern Command		
Peshawar District—		
Drosh	4	
Chitral Fort	1	
Landikotal Brigade	72	To be distributed to posts at the discretion of the Brigade Commander.
Peshawar Fort	6	
Chakdara	4	
Chappri	1	
Cherat	2	
Dargai	4	
Malakand	22	
Nowshera	4	
Mardan	4	
Risalpur	10	
Kohat District—		
Kohat	2	
Thal	4	
Hangu	1	
Fort Lockhart	2	
Gulistan	4	
Sangar	1	
Rawalpindi District—		
Abbotabad	16	
Attock	24	
Jhelum	12	
Rawalpindi	24	
Lahore District—		
Bakloh	4	
Kasauli	4	
Jutogh	2	
Simla	2	
Ferozepore	4	
Jullundur	4	
Multan	4	
Dharamsala	4	
Ambala	4	
Lahore Cantonment	4	

APPENDIX 2—*contd.*

TABLE 1.—*Scale of 1½-inch signal pistols and cartridges for defences and posts*—contd.

Posts.	Scale of pistols per post.	Remarks.
Northern Command—contd.		
For Machine Guns allotted to Fort Armaments—		
Ferozepore	16	
Multan	2	
Lahore	7	
Amritsar	4	
Dhariwal	2	
Armoured Trains	4	
Southern Command.		
Fort Armament, Sitabaldi	4	
Fort Armament, Trimulgherry and Hyderabad Residency.	26	
Fort Armament, Ahmednagar	6	
Fort Armament, Jubbulpore	4	
Madras Keep	8	
Cordite Factory, Aruvankadu	2	
St. Thomas Mount	2	
Tuticorin	2	
Cochin	2	
Podanur	2	
Golden Rock	2	
Madura	2	
Agram Entrenchment, Bangalore	4	
Calicut Keep	2	
Malappuram Keep	2	
Bezwada	2	
Kolar	2	
Vizagapatam	2	
Yercaud	2	
Wellington	2	
Fort Armament—		
Mhow	4	
Baroda	4	
Kirkee	16	
Belgaum	8	
Eastern Command.		
Meerut District—		
Fort Armament, Jhansi	4	
Fort Armament, Bareilly	10	
Meerut	10	
Lucknow District—		
Cawnpore	12	
Benares	6	
Allahabad	4	
Fort Armament, Allahabad	12	
Lucknow	4	

APPENDIX 2—*contd.*

TABLE 1.—*Scale of 1½-inch signal pistols and cartridges for defences and posts*—concld.

Posts.	Scale of pistols per post.	Remarks.
Eastern Command—contd.		
Delhi Independent Brigade Area—		
Agra Fort	12	
Delhi Fort	12	
Presidency and Assam District—		
Dhanbad	2	
Jamalpur	2	
Imphal	6	
Shillong Defended Post	2	
Hughly Defences	12	
Western Command.		
Baluchistan District—		
Chaman	12	
Shalebagh	2	
Sind Independent Brigade Area—		
Karachi Fort Defences	20	
Kotri	4	
Sukkur	4	
No. 3 Armoured Train, Karachi	4	
Zhob Independent Brigade Area—		
Hindubagh	16	
Loralai	10	
Fort Sandeman	12	
Killa Saifulla	6	
Burma District—		
Rangoon	8	
Syriam	4	
Mandalay	4	
Maymyo	4	
Namtu	4	
Yenangyaung	4	
Moulmein	4	
Port Blair	4	

APPENDIX 2.—*contd.*

TABLE 2.—*Scale of cartridges for pistol shewn on table 1.*

—	Scale per pistol (a)	Annual allowance for practice.
Cartridges, illuminating—		
1½-in.	21	(b)
Cartridges, signal—		
1½-inch, red	6	
1½-inch, green	3	

(a) For pistols in the Landikotal Brigade the following additional cartridges will be held:—

Cartridges, illuminating—		
1½-inch	7	per pistol.
Cartridges, signal—		
1½-inch, red	2	
1½-inch, green	1	

(b) As separately notified.

TABLE 3.—*Scale of 1-inch signal pistols and cases for regular units.*

Unit, etc.	SCALE PER UNIT (PEACE AND WAR).		Remarks.
	Pistols.	Cases.	
Cavalry Brigade Headquarters .	1	1	
British Cavalry	12	12	
Indian Cavalry	12	12	
Artillery Brigade Headquarters .	1	1	
Royal Horse Artillery Battery .	2	2	
Field Battery, R. A.	2	2	
Medium Battery, R. A. . . .	2	2	
Waziristan Medium Section, R. A. .	1	1	
Mountain Battery, R. A. . .	2	2	
Sappers and Miners—			
Corps Headquarters	2	2	
Field Troop	1	1	
Field Company	2	2	
Divisional Headquarters Company	1	1	
Army Troops Company . .	2	2	
Infantry Brigade Headquarters .	1	1	
British Infantry Battalion . .	16	16	
Indian Infantry (Active Battalions) .	16	16	
Royal Tank Corps—			
Armoured Car Company . .	16	16	
Royal Tank Corps School . .	2	2	(Peace only.)
Small Arms School	14	14	
Signal Training Centre and Depot .	2	2	
Machine Gun School . . .	2	2	

APPENDIX 2—*contd.*

TABLE 4.—*Scale of 1-inch illuminating and signal cartridges for regular units.*

(i) War Scale.

	Per pistol (*a*).	
	With units (*b*).	Ammunition column or train proportion (*c*).
Field Army and Covering Troops units . .	10	5
Internal Security units	10	*Nil.*

(*a*) Illuminating signal red and signal green cartridges will be held in the proportion of 7 : 2 : 1 respectively.

(*b*) The proportion "with unit" will be held in unit charge in peace.

(*c*) The "ammunition column or train" proportion will be held in Ordnance charge and issued on mobilization.

(ii) Annual Scale.

	Per pistol.		
	Illuminating.	Signal green.	Signal red.
All units shewn in Table 3, except those specified below.	7	2	1
Small Arms School, India—			
Pachmarhi Wing	49	14	7
Ahmednagar Wing	30	17	17
Signal Training Centre	15	3	2
Royal Tank Corps School	20	4	4

APPENDIX 2—*concld.*

TABLE 5.—*Scale of 1-inch signal pistols and illuminating and signal cartridges for Indian State Forces.*

Indian State Forces (classed " A " for armament purposes) are authorised to obtain on payment from the Ordnance Corps, 1-inch signal pistols and cartridges for annual practice, on the following scale, for instructional purposes.

Unit.	Pistols (per unit).	CARTRIDGES (PER PISTOL).		
		Illuminating.	Signal.	
			Green.	Red.
Cavalry regiments	12	18	3	3
Artillery batteries	2	18	3	3
Infantry battalions (active) . .	16	18	3	3
Pioneer battalions (active) . . .	5	18	3	3
Field companies Sappers, and Miners .	2	18	3	3

APPENDIX 3

TO

Equipment Regulations, India, Part I, 1933.

APPENDIX 3.

(Referred to in para. 215).

Grenades.

TABLE 1.—*Scale of grenade equipment for regular units.*

Units.	Dischargers and Pouches per battalion (Peace and War)	[illegible] (Peace and War)	SERVICE SCALE OF No. 36 GRENADES COMPLETE WITH DETONATORS AND CARTRIDGES (WAR ONLY) (a). In unit charge.	Keys base plug and [illegible] (Peace and War).	Remarks.
1	2	3	4	5	6
British Infantry battalions					
Indian Infantry Battalions (Active [illegible]	24 (b).	1 per 4 dischargers	..	10 per battalion	
Infantry battalions in the Field Army and Covering Troops or allotted to Internal Security.			96		

(a) 2 spare cartridges are supplied with every 12 grenades.
(b) Peace scale is 24 only. Remaining [illegible] will be held in mobilization store.

APPENDIX 3—*contd.*

TABLE 2.—*Scale of grenade equipment for instructional purposes for regular units.*

Unit.	Grenades hand or ·303" rifle, No. 23 Sectional.	Grenades, ·303" rifles.		Cartridges, S. A., ·303" Rifle Grenade, 30 grains Ballistite.
		No. 36 complete with detonators.	Practice, No 36.	
		Annually (a)	To be held on charge and replaced when unserviceable.	Annually.
Per infantry battalion .	4	20	50	2,000

2. Owing to the liability of the parts of dummy grenades to be broken or lost, the following proportion of spare will be held for replacement purposes :—

	per cent.
Retaining pins	25
Levers	35
Gas checks	50
Bodies	35

3. A proportion of the spare parts in para 2 can be obtained from recovery from line grenades after firing (*e.g.*, levers and retaining pins)

Similarly gas checks are not required with the No. 36 grenade when thrown by hand.

4. Any spare parts recovered under para 3 should be taken into account when indenting for the proportions authorised in para. 2 and shown in the appropriate column of the indent.

(*a*) 2 ozs. of plasticene will be issued for each 12 grenades to allow of the precautions to be taken as laid down in Small Arms Training, Vol. II

APPENDIX 3—*concld.*

TABLE 3.—*Scale of gauges, depth of detonator sleeve Nos. 36 or 36-M. grenades.*

Unit, etc.	Scale.
Cavalry regiment	1 per unit (peace and war).
Infantry battalion	1 per unit (peace and war).
Small Arms School	1 per school.
Arsenals	2 per arsenal.
I. O. Os. and D. A Ds. O S.	1 each.

APPENDIX 4

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 4.

Distribution in Peace of Small Arms Ammunition of Units (Referred to in Paragraph 201)

(i) *Service ammunition.*

NOTE 1.—The scale of service ammunition detailed herein will be maintained in peace for each weapon forming part of the war equipment of a unit.

2.—Service ammunition will not be held by Auxiliary and Territorial Forces units unless specially ordered by Army Headquarters

Weapon.	Number of rounds per weapon.									Where maintained	
	Cavalry.	Artillery.	Engineers.	Pioneers.	Infantry	Signals.	Armoured Car units	Light Tank company	Other units.	For British units	For Indian and signal units
Rifle—											
(i) On the man	60(a)	50	50	70	70(e)	50	..	..	50	To be held in charge of units	In arsenals except as provided in Mobilization Regulations (India).
(ii) In regimental reserve (1st line).	40	..	(b)	30	50	..	..	..	..		
Pistol—											
(i) On the man	18	18	18	18	18	18	18	18	18(c)	As for rifle ammunition.	As for rifle ammunition.
(ii) In regimental reserve (1st line).	..	6	6	6	6	6	12	12	..		
Vickers gun—											
(i) With gun	3,000	..	..	..	4,000	..	4,000(d)	2,880(g)	..	As for rifle ammunition.	As for rifle ammunition.
(ii) In regimental reserve	..	..	..	..	2,000	..	4,000(d)	2,880(g)(h)	..		

Lewis gun—											
(i) With gun . . .	..	1,222	..	..	846(*f*)	..	..	..	..	As for rifle ammunition.	As for rifle ammunition.
(ii) In regimental reserve .	..	..	..	..	876(*f*)	..	..	..	..		

(*a*) Machine gunners and signallers carry 50 rounds.
(*b*) Field and Divisional Hdqrs. Company, S. and M. only 15 rds. Field Troop S. and M., 2 full boxes per troop (*i.e.*, 25 rds. per rifle approx.).
(*c*) Held in individual charge in the case of non-regimental ranks.
(*d*) Per car.
(*e*) 70 rds are carried by men of rifle sections, platoon sergeants, No. 7 of L. G. Section (British Infantry).
All other personnel armed with rifle carry 40 rds.
(*f*) The total quantity of S A. A. at Chaman and Peshin will be decreased by 8,000 and 4,000 rounds respectively, and replaced by an equivalent amount of tracer ammunition.
(*g*) Per tank.
(*h*) Excluding tanks in unit mechanical reserve.

APPENDIX 4—*contd.*

(ii) (a) *Fixed allotments of Practice Ammunition.*

Below are shown the maximum quantities of practice ammunition that may be held on charge by units at any one time. It is left to the discretion of unit commanders to decide whether it is necessary that the maximum quantity, or less, should be held (Referred to in paragraph 201).

Units.	CARTRIDGES, S. A.					22-inch R. F., No. 1 (tin boxes of 1,000).
	303-INCH.			REVOLVER, ·455-INCH.		
	Ball (boxes of 1,000).		Blank (boxes of 2,200) (*m*).	Ball (boxes of 300).	Blank (boxes of 420).	
	Arsenal stations (*a*)	Non-Arsenal stations.				
Cavalry—						
British regiment	16	39	10	50	7	16
Indian regiment	23	39	11	36	5	15
Artillery—						
R. H. A. Battery, Q. F. 13 pr.	6	10	1	6	1	5
Field Battery, R. A.	6	10	1	6	1	5
Divisional Ammunition Column, R. A.	4	10	1	13	1	2
Field Ammunition Column, R. A.	2	5	1	8	1	1
Light or Mountain battery, R. A.	6	10	1	6	1	5
Medium Battery, R. A. (Tractor Drawn)	6	10	1	5	1	5

Heavy Artillery, B. H Q & D E, Bombay	2	2	1	4	1	2
Heavy Battery, R. A.	4	10	1	8	..	5
Royal Artillery Training Centre	2	2	..	12	2	1
Mountain Artillery Training Centre	10	10	1	14	2	5
Sappers and Miners—						
Headquarters and Depots (per depot Company)	10	10	2	4	1	14
Field Troop	14	14	1	3	1	3
Divisional Headquarters Company	5	5	1	1	..	3
Field Company	32	32	2	3	..	15
Army Troops Company	17	17	1	3	..	9
Signals—						
Line Company	4	8	1	4	1	5
Wireless Company	4	8	1	4	1	5
Divisional signals	5	10(*p*)	2	9	2	15
District signals	.	20	3	9	4	15
Cavalry Brigade Signal Troop	4	10	1	7	..	4
Signal Training Centre	.	15	3	10	3	30
Army Signal School	1	1	..	3	2	..
Infantry—						
British battalion	34(*l*)	78(*b*)	20	25	2	30
British Infantry Training Company, 10 17th Dogras	10	10	1	1	..	6
Indian Infantry—						
(Active battalion	30(*l*)	56(*c*) (*d*) (*k*)	20	25	2	25
(Training battalion	23	56	20	10	1	34
Gurkha Rifle Battalion Training Company	0	14	5	1	..	6

APPENDIX 4—*contd.*

Units.	CARTRIDGES, S. A.					
	303 INCH.			REVOLVER, ·455-INCH.		·22-inch R. F., No. 1 (tin boxes of 1,000).
	Ball (boxes of 1,000).		Blank (boxes of 2,200) (*m*).	Ball (boxes of 300).	Blank (boxes of 420).	
	Arsenal stations (*a*)	Non-Arsenal stations				
Royal Tank Corps—						
Armoured Car Company	35	50	1	(*o*)	4	..
School	50	50	1	25	1	..
Small Arms School—						
Pachmarhi wing	100	100	10	50	20	14
Ahmednagar wing	100	100	7	3	1	..
Auxiliary Force (India) —						
Cavalry regiment	15	35 (*g*) (*h*)	4	12 (*i*)	..	17
Artillery battery	4 (*j*)	5(*j*)	1	5	..	2
Engineer Company (including Signal Company)	6	10	5	4	..	3
Machine Gun Company	25	50	3	10	..	5
Infantry Battalion	34	79 (*e*)	4 (*f*)	6(*n*)	..	35

Territorial Force (India)—						
Infantry units	} .	..	..	As fixed by the District Commander.		
University Training Corps						

(*a*) Includes the Ordnance Depots at Karachi and Fort William.
(*b*) 20 boxes are allowed to be on charge of the detachment at Port Blair in addition to those allowed for the headquarters of the unit.
(*c*) 6 *boxes are allowed to be on charge of* the detachment at Port Blair in addition to those allowed for the headquarters of the unit.
(*d*) 150 boxes are allowed to be on charge of the battalion located at Shillong, when a single-battalion station, and 100 boxes per battalion when a two-battalion station.
(*e*) 122 boxes are allowed to be on charge of the 1st G I. P Railway regiment.
(*f*) 59 boxes are allowed to be on charge of the 3rd Battalion, E. I. Railway regiment
(*g*) 75 boxes are allowed to be on charge of the *Northern Bengal Mounted Rifles*, 50 boxes are allowed to be on charge of the Punjab Light Horse.
(*h*) 150 boxes are allowed to be on charge of the Southern Provinces Mounted Rifles.
(*i*) 35 boxes are allowed to be on charge of the Southern Provinces Mounted Rifles.
(*j*) 1 *box per machine* gun on charge, up to a maximum of 6 additional boxes may be held if necessary.
(*k*) 77 *boxes are allowed to be on* charge of each Indian Infantry battalion located at Almora and Lansdowne. *96 boxes in the case of the unit* at Lansdowne furnishing the detachments at Naini Tal and Shahjahanpur. 112 boxes are allowed to *be on charge of* the Indian Infantry Battalion at Malakand.
(*l*) The British Infantry battalions stationed at Ferozepore and Karachi and Indian (Active) Infantry battalions stationed at Ferozepore may hold an additional ten boxes per battalion *headquarters and per company* when away from the station (including temporary moves to the hills in the summer months)
(*m*) Brigade Commanders are authorised to increase the quantities in this column by 100 per cent to meet special requirements
(*n*) 10 boxes are allowed to be on charge of the Burma Railways battalion (A F I)
(*o*) 25 boxes at Arsenal stations *50 boxes at Non-Arsenal stations*
(*p*) 15 boxes for the 3rd Div Sigs

APPENDIX 4—*contd.*

(ii)(b) *Maximum quantity of practice small arms ammunition that may be held on charge by Indian States Forces at any one time.*

NOTE.—It is left to the discretion of unit commanders to decide whether it is necessary that the maximum quantity or less, should be held.

Class "A".	Ball.				Blank.		Tracer.	Class "B" same as for Class "A" except the following ball.	
Units	·303" boxes of 1,000 rds.	·455" boxes of 300 rds.	·22" R. F. boxes of 1,000 rds.	·476" or ·410" B.L S.B.	·303" boxes of 2,200 rds.	·455" boxes of 420 rds.		·303" boxes of 1,000 rds.	·455" boxes of 300 rds.
Cavalry—									
Full Regiment	39	36	15	250	11	5	600	25	12
H. Q. Headquarters Wing (modified), 2 squadrons.	30	20	9	100	5	3	400	..	..
H. Q. Headquarters Wing (modified), 2 squadrons without Vickers Guns.	18	19	9	100	5	2	280	12	6
H Q attached personnel and 1 squadron	9	9	4	50	3	1	140	6	3
Infantry— (Active).									
Full Battalion	56	25	25	250	20	2	600	34	8
H. Q. Headquarters Wing (modified), 3 companies	40	13	14	150	12	2	430	..	..
H. Q. Headquarters Wing (modified), 3 companies without Vickers Guns	33	12	14	150	12	2	350	21	7
H. Q. Headquarters Wing (modified), 2 companies.	22	9	9	100	8	1	235	14	6
H. Q attached personnel and 1 company	11	5	4	50	8	½	117	7	3

(Training).									
Battalion Headquarters with 4 companies.	56	10	34	250	20	1	600	34	4
Battalion Headquarters with 3 companies.	33	8	18	150	12	1	350	21	3
Battalion Headquarters with 2 companies.	22	6	12	100	8	1	235	14	2
1 company	11	2	6	50	4	½	117	7	1
Artillery—									
Mountain or Pack Artillery Battery (armed with 2·75" B. L. Guns).	*10*	*6*	*5*	*100*	*1*	*1*	..	..	..
Horse or Field Battery armed with B. L. 15 pr. Guns (B. Class)	10	1	1	100	1	½	..	..	..
Sappers Field Company . . .	32	3	15	100	2	..	200	..	..
Motor Machine Gun Section . .	16	5	..	..	2	1	100	..	..
Transport Corps . . .	..	72 rds. per pistol (including officers)	..	.	.	*10 rds.* per pistol (including officers)	..	..	..

NOTES.—(a) All units of the Kashmir State Forces, except those stationed at Jammu, may hold double the above quantities on charge.

(b) I. S. F. units which have an authorised strength of less than a squadron of cavalry or a company of infantry are allowed to hold small arms ammunition in proportion to the scales laid down above. Additional quantities may be drawn to complete boxes.

APPENDIX 4—*contd.*

(iii) *Pouch Ammunition for Small Arms.*

NOTES 1.—Pouch ammunition will be maintained in unit charge for each rifle and pistol forming part of the peace establishment of units for use in case of emergency.

2.—When service ammunition is authorised to be held on charge the pouch ammunition detailed herein is included in, and is not additional to, the scales of service ammunition.

3.—In the case of units not authorised to hold service ammunition on charge, pouch ammunition will be drawn and held in addition to practice ammunition.

Small arms.	Number of rounds.	Remarks.
	Scale for all units.	
Rifle	20 per rifle.	
Pistol	12 per pistol.	

APPENDIX 4—*concld.*

(iv) *Emergency ammunition for machine guns.*

NOTES—1 Emergency ammunition will be maintained in unit charge for each machine gun forming part of the peace equipment of units, for use in case of emergency

2 When service ammunition is authorised to be held on charge, the emergency ammunition detailed herein is included in, and not additional to, the scales of service ammunition

3 In the case of units not authorized to hold service ammunition on charge, emergency ammunition will be taken from the practice ammunition.

Weapon	Number of rounds to be held on charge per weapon				Remarks
	Cavalry	Artillery	Infantry	Armoured Car units	
Vickers gun . .	1,500(*a*)		2,000(*b*)	6,000(*c*)	(*a*) Constitutes the load of one ammunition horse (*b*) Constitutes the load of one ammunition mule (*c*) Per car
Lewis gun		1,222 (*e*)	846(*d*)		(*d*) 18 magazines which constitute the normal ammunition load of the gun mule (*e*) 26 magazines which constitute the normal ammunition equipment of the gun

APPENDIX 5

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 5.

(Referred to in para. 37.)

Scale of ambulance stretchers authorised for units, etc., in Cantonments.

Section K.

Stretchers, ambulance (b)—

Scale per unit—	No.
Battery, R. A. and Waziristan Medium Section, R. A.	1
Regiment of cavalry or battalion of infantry	4
Detached wing of cavalry or infantry	2 (a)
Service company and troop of sappers and miners	1
Wellington Sanitorium (c)	1
No. 31 company, R. A. M. C., Deolali	6

(a) Taken from the regimental complement.

(b) In stations where motor transport is available, the "D's" will be removed from all stretchers, and the "D's" together with the awnings and connected stores returned to ordnance charge;

"D's" and awnings and connected stores will be retained at stations where conveyance by motor transport is not possible.

(c) With the exception of "Wellington Sanitorium," the stretchers authorised above also form part of the war scale of these units.

APPENDIX 6

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 6.

(Referred to in para. 198.)

Stores for the Destruction of Defective Explosives.

TABLE 1.—*Detail of set for destruction of blind shell and trench mortar bombs.*

Articles.		Scale per set.	Remarks.
Section F.			
Knives, trimming		2	
Pliers, side-cutting, 8-inch	prs.	1	
Section H-1.			
Cloth, emery, No. F	sheets	6	Cleaning ends of wire.
Section H-2.			
Twine, choking	lb	1	Securing charge.
Section W-2.			
Cables, electric, J, single, low 0·0045	yds.	2,000	Old field telegraph cable unfit for general use will be issued, if available.
Exploders, dynamo		1	
Solution, rubber, 3-oz. tubes	tubes	3	For repairing defective wire.
Tape, insulating, ¾ in.	box	1	For repairing defective wire.

APPENDIX 6—*contd.*

TABLE 2.—*Distribution of sets for the destruction of blind shell and trench mortar bombs.*

Command, District or Brigade.	Station.	In whose charge.	No. of sets.
Northern	Nowshera	Officer Commanding, Field Brigade, R. A.	1
	Peshawar	Officer in charge, Fort Armament.	1
	Sialkot	Officer Commanding, R. H. A. Battery.	1
	Rawalpindi	Officer Commanding, Field Brigade, R. A.	1
	Lahore	Officer Commanding, Field Brigade, R. A.	1
	Bannu	Officer Commanding, Frontier Brigade, R. A.	1
Southern	Jubbulpore	Officer Commanding, Field Brigade, R. A	1
	Jhansi	Officer-in-charge, Fort Armament	1
	Mhow	Officer-in-charge, Fort Armament	1
	Kirkee	Officer in-charge, Fort Armament	1
	Secunderabad	Officer-in-charge, Fort Armament	1
	Bangalore	Officer-in-charge, Agram Entrenchment	1
Eastern	Lucknow	Officer in charge, Fort Armament	1
	Meerut	Officer in-charge, Fort Armament	1
	Calcutta	Officer in-charge, Fort Armament.	1
Western	Quetta	Officer Commanding, Mountain Brigade, R. A	1
	Karachi	Officer in-charge, Fort Armament	1
	Hyderabad (Sind)	Officer Commanding, Field Battery, R. A	1
Burma	Rangoon	Officer in-charge, Fort Armament.	1
	Maymyo	Officer Commanding, Mountain Battery, R. A	1

NOTE.—When these stores are required for the destruction of blind trench mortar bombs they may be obtained on application to the unit concerned under the orders of the Superior Commander concerned

APPENDIX 6—*contd.*

TABLE 3.—*Stores for the destruction of blind shell and trench mortar bombs.*

NOTE.—The following items are allowed per set of stores authorised in Table 2. Further supplies can be obtained as necessary. Demands accompanied by a covering statement showing special reasons why the extra stores are required, may be sanctioned by Headquarters of District or Independent Brigades.

Articles.	Proportion.
Section T-1.	
Detonators, electric, No. 13	18
Gun-cotton—	
Dry, primers, field, 1-oz.	18
Wet, slabs, field, 1-lb.	36
Section T-2.	
Boxes, gun-cotton—	
Dry, primers, field, 1-oz., W-3	1
Wet, field, 14 slabs, W-31	3
Cylinders, gun-cotton, primer, field, 1-oz.	2
Section W-1	
Sandbags	4

APPENDIX 6—*concld.*

TABLE 4.—*Scale of stores allowed per bombing range for the destruction of defective grenades.*

Articles.	Scale per unit.
Section Q-1.	
Matches, fuzee, safety	20 (In cylinders)
Section T-1.	
Detonators, No. 8, with 2 feet of safety fuze attached	6 (1 cylinder)
Gun cotton, dry primers, field, 1-oz.	10 (1 cylinder).
Section T-2.	
Rectifiers, gun-cotton, primers	1

NOTE.—The above stores will be replaced as expended.

APPENDIX 7

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 7.

(Referred to in para. 291.)

Water carts and connected equipment.

TABLE 1.—*Scale of Carts.*

Units.	Scale per unit (war only).	Remarks.
Divisional Signals	1	
Field battery, R. A. (Horsed) and R. H. A. battery .	1	
Reinforcement Brigade	2	For the 3rd D. A. C.
District Signals (except Waziristan)	1	

APPENDIX 7—*contd.*

TABLE 2.—*Detail of harness.*

Stores	Number per double set of	
	Wheel harness	Lead harness (only to be issued when four horses per water cart are authorised in war establishment)
Section D I		
Bits, portmouth, reversible	2	2
Blankets, saddle	2	2
Breechings, H. P. D	2	..
Collars—		
Breast, H P. D	2	2
Head, S U.	2	2
Girths, S. U.	1	1
Heads, bridle, S. U.	2	2
Leather, stirrup, S. U	2	2
Leggings, drivers	1	1
Neckpieces, pole bar	2	
Pads, collar	2	
Pannels, S U, I P—		
Near	1	1
Off	1	1
Reins, bit, S U	2	2
Saddles, S U, patt '02, I P	1	1
Stirrups, steel	2	2
Straps—		
Baggage	3	3
Collar pad	4	..
Hip, long, wheel . . . prs	2	..
Loin lead		2
Neck, I. P.	2	2
Surcingles, S. U	1	1
Straps, extending	As necessary	
Traces, wire—		
Long—		
Near	2	2
Off	2	2
Short . . . prs.	..	2
Tugs, neck piece	2	..
Whips, drivers, I P	1	1

APPENDIX 17—*contd.*

TABLE 3.—*Detail of accessories, spare parts and vehicle equipment for water carts and water trailers.*

Articles	Scale per		Remarks.
	Cart.	Trailer.	
Section D-2.			
Valises, horse shoe, small	1	..	
Section E-1			
Boards, inventory, wood	1	1	
Brushes—			
Cleaning, tank water cart	1	1	
Water carriage	1	.	
Collars—			
Adjusting, 2nd class "C", capped wheels	1	.	
Cylinder cover, bolts, app., filtering	2(a)	2	
Covers, clarifying reel, app., filtering	2(a)	2	
Measures, clarifying powder—			
150 grains	.	1	83 grains to be used up first.
83 grains	1	.	
Nuts, wing, cylinder cover, bolts, app., filtering	2(a)	2	
Packings, differential pump set	1	1	
Pins, linch, 2nd class "C," capped wheels	1	.	
Reels, clarifying app., filtering	2(a)	2	
Rings, clarifying, reel	6(a)	6	
Spanners, No. 257	1	1	
Tap, water, small, No. 3	1	1	
Washers—			
Caps, drain hole	2	2	
Cylinder, cover clarifying, filter	2(a)	2	
Drag, 2nd class "C", capped wheels	1	.	
Union, ¾ in. hose	8	8	
Section F			
Spanners, adjustable—			
4½ in.	1	..	
11-in.	1	..	
Section H-1.			
Grease, lubricating . . . lb.	7	7	
Section H-2.			
Cordage, spun yarn, hemp, white, 3 yarn . . . lb.	5	..	
Twine, packing, middling . . „	1½	..	

(a) Only to be issued to units in possession of water carts with filtering gear.

APPENDIX 7—*concld.*

Articles.	Scale per		Remarks.
	Cart	Trailer.	
Section J.			
Axes, pick, 4½-lb.—			
Heads	1	..	
Helves	1	..	
Buckets, water, canvas	1	..	
Shovels, G. S.	1	..	
Section 14.			
Blocks, brake, field and transport	2	..	
Section 19.			
Ropes, drag, light	1	..	
I. A. S. C. Supplies.			
(Group P. O. L.)			
Grease, cup . . . lb.	..	7	
M. T. Supplies.			
Section G.			
Brushes, engine cleaning	..	1	
M. S. D. Supplies.			
Powder—			
Bleaching . . . lb.	2½	2½	In 4-oz. tins
Clarifying . . . ,,	9(*a*)	9(*a*)	In 8-oz. tins.

(*a*) Not to be demanded till further notice.

APPENDIX 8

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 9

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 9.

(Referred to in para. 221.)

Tools and materials for the repair of arms.

TABLE 1.—*Tools and materials for armourers.*

SCALE.

A.—For Headquarters of units, except as specified in Note 2.

B.—For detached wings, and for Port Blair detachments.

NOTES 1.—Armourers tools and materials are supplied free to units whose establishments includes an armourer. They will be held on equipment ledger charge and will be replaced at the expense of the State when worn out by fair wear and tear, or expended in the repair of service arms or bicycles. Should an armourer require for service purposes tools not included in this set, he should, as far as possible, make or improvise them locally. Material for such services will usually be available in regimental workshops, but failing that source of supply, an indent for the necessary material accompanied by an explanation of the circumstances under which it is required should be submitted to the Ordnance Corps. Armourers tools will not be employed for private purposes.

2. The tools and materials authorised in scale "B" will be issued as state-owned stores, and will be returned to the Ordnance Corps when no longer required.

3. The following scale of armourers tools and materials is authorised for Sappers and Miners units:—

	Scale "A."
Corps Headquarters	sets 2 each.
Detach Field Companies	set 1 each.
Detach Field Troops	set 1 each.

4. For tools and materials for artillery units see Table 2.

Articles.	Scale.		Remarks.
	A.	B.	
TOOLS FOR REPAIR OF RIFLES, ETC.			
Section B-1.			
Pullthroughs—			
Gauze wire, "A" . . pieces	1	1	
Section B-3.			
Anvils, stock	1	..	
Boxes—			
Oil, stone dust	1	..	
Tool, armourers . . . sets	1	..	Nos. 1, 2, 3 and 4 (one of each).

APPENDIX 9—*contd.*

TABLE 1.—*contd.*

Articles.	Scale.		Remarks
	A.	B.	
TOOLS FOR REPAIR OF RIFLES, ETC. —*contd*			
Section B-3.—contd			
Braces, armourers	1	..	
Bits—			
Cleaning	1	..	
Rimer—			
½ round	1	..	
5 square	1	..	
Spoon	1	..	
Stock-bolt	1	..	
Clams, No. 1—			
"A" . . . prs.	1	..	
"B" . . . "	1	..	
Clams, No 2	1	..	
Corks	4	..	
Drifts, armourers—			
No. 1	1	..	
No. 2	1	1	
No. 3	1	..	
No. 4	1	1	
No. 5	1	..	
Floats—			
Large	1	1	Will be replaced by the small float when unserviceable.
Small	1	..	
Gauges, armourers—			
·052-in.	1	..	
·064-in., No. 1	1	..	
·074-in., No. 1	1	..	
·076-in.	1	..	
Hammer, point	1	..	
Plug, ·303-in.	1	1	
Stock-bolt	1	..	
Striker, point, No. 1	1	..	
Implements, action, No. 1	1	..	
Mallets, scabbard	1	..	For cavalry units only.
Mandrils—			
No. 1	1	..	
No. 2	1	..	
No. 3	1	..	
No. 4 (or 5)	1	..	For cavalry units only.
Pincers, armourers . . prs.	1	..	

APPENDIX 9—*contd.*

TABLE 1.—*contd.*

Articles	Scale.		Remarks.
	A.	B	
TOOLS FOR REPAIR OF RIFLES, ETC.—*contd.*			
Section B-3—concld.			
Plates, screw and taps, S A.—			
Plates "A" to "F" . sets.	1	..	1 of each per set.
Taps, Nos. 1 to 13 . "	1	..	
Wrenches	1	..	
Pots, glue, ½-pint . .	1	..	
Saws, clearing . . .	1	..	
Screwdrivers—			
Armourers—			
Large	1	1	
Small	1	1	
Extractor, screw . .	1	1	
Forked—			
No. 1	1	..	
No 2	1	..	
No. 3	1	1	
Stands, vice	1	..	
Sticks, buff	3	..	
Testers, trigger . . .	1	..	
Tools—			
Bore—			
Bits	6	1	
Bushes, A	2	1	
Plugs . .	1	..	
Rods	1	1	
Cleaning—			
Guides, No. 2 . . .	1	1	
Rods, No. 1 . . .	1	1	
Rods, No. 4	1	..	
Sticks	1	1	
Foresight—			
Cramps, No. 1 . .	1	..	
Punches	1	..	
Guard, hand	1	1	
Sight-line	1	1	
Scribers	1	..	
Spring, extractor . .	1	1	
Striker—			
No 1	1	1	
No. 2	1	2	
Wad	1	1	
Vices, parallel, armourers .	1	..	

APPENDIX 9—*contd.*

TABLE 1—*contd.*

Articles.	Scale.		Remarks.
	A.	B.	
TOOLS FOR REPAIR OF RIFLES, ETC.—*contd.*			
Section C-1.			
Gauges—			
Concentricity of magazine, Lewis, ·303-in., M. G., Mark I.	1	..	For units equipped with Lewis guns.
Striker point, Lewis, ·303 in., M. G., Mark I	1	..	
Punches, snap	2	..	For units equipped with Vickers guns.
Reflectors, mirror, ·303 in., M. G., Mark I.	1	1	
Tools—			
Magazine, Lewis, ·303-in., M. G., Mark I	1	..	For units equipped with Lewis guns.
Repairing, mounting tripod, ·303-in., M. G.—			
Punches, swaging—			
Plain . . .	1		For units equipped with Vickers guns.
Ring	1		
Section F.			
Awls, blades, harness, 2½ in. .	2		Awls, blades, armourers will be issued until stock is exhausted.
Awls, handles, brad, small .	2	2	
Braces, carpenters, bits—			
Countersink, rose . .	1		Braces, armourers bits components replaced by these items will be issued until stock is exhausted
Rimer	1		
Screwdrivers, ⅜ in. . .	1		
Cans, oil, lubricating, conical .	1		Cans, oil, lubricating, armourers will be issued until stock is exhausted.
Chisels—			
Cold, ½-in. .	2		Chisels, hand, cold, ½" × 7" and ¾" × 7" (Section B-3) will be issued until stock is exhausted

APPENDIX 9—*contd.*

TABLE 1—*contd.*

Articles.	Scale.		Remarks.
	A.	B.	
TOOLS FOR REPAIR OF RIFLES, ETC *contd.*			
Section F—concld.			
Chisels—			
Firmer—			
¼-in.	1	..	
½-in.	1	..	
¾-in.	1	..	
Drills, stock, hand	1	..	
Files—			
Bastard—			
Flat, 6-in.	2	..	
Half round, 6-in.	2	..	
Round, 8-in.	1	..	
Square, 8-in.	1	..	
Dead smooth, half round, 6-in.	1	..	
Fine cut, H. S. E. tanged—			
8-in.	2	..	
10-in.	2	..	
Regular cut, half round—			
8-in.	1	..	
10-in.	2	..	
Saw, taper, second cut, single—			
3-in.	2	..	
8-in.	2	..	
Second cut—			
Half round, 4-in.	2	..	
Round, 4-in.	2	..	
Smooth—			
Flat, 6-in.	1	..	
Half round—			
4-in.	1	..	
6-in.	2	..	
8-in.	1	..	
H. S. E.—			
4-in.	1	..	
8 in.	2	..	
Pillar, 5-in.	3	..	Files, smooth, pillar, 3-in. and 6-in. will be issued until stock is exhausted.
Round, 4 in.	2	..	
Three-square, 4-in.	1	..	
Handles—			
Large	6	..	
Small	6	..	
Gimlets, twist, No. 4	3	..	

APPENDIX 9—*contd.*

TABLE 1.—*contd.*

Articles.	Scale. A.	Scale. B	Remarks
TOOLS FOR REPAIR OF RIFLES, ETC.—*concld.*			
Section F—concld			
Gouges, firmer—			
¼-in.	1		
½-in.	1	.	
¾-in.	1	..	
Hammers, carpenters, Warrington pattern—			
4-oz.	1		Hammers, riveting, 4 oz and 24-oz. will be issued until stock is exhausted
1-lb.	1		
Holders, file, with handle, half round—			
8-in.	1		
10-in.	1	.	
Irons, soldering, straight, 1¾-lb	1	.	
Mallets, raw hide	1		
Oilstones, fine	1		Stones, oil, armourers (Section B-3) will be issued until stock is exhausted
Planes, smoothing	1	.	Planes, smoothing (section B-3) will be issued until stock is exhausted
Pliers, flat nose prs	1	.	
Rasps, carpenters, 10 in.	1		Rasps, second-cut half round, 9 in. will be issued until stock is exhausted
Saws, hand, 26-in	1		
Stamps, steel for metal, 3/16-in —			
Figures, 0 to 8	1		
Letters, 1 letter	1		
Dash lines	1		
Stones, oil slip, Arkansas, large	1		
Vices, hand, 4 in.	1	.	Vices, hand, 16-oz. will be issued until stock is exhausted.
Section Q-2.			
Cartridges, S. A. dummy, ·303-in. 'U.'	20	.	

APPENDIX 9—*contd.*

TABLE 1.—*concld.*

Articles.		A.	B.	Remarks.
MATERIALS FOR REPAIRS OF RIFLES, ETC.				
(To be replaced as necessary) *Section B-3.*				
Jute	lb.	(*a*)	(*a*)	
Wire, armourers, brass		(*b*)	(*b*)	
Section G-2.				
Tins, grain	lb.	0 4	..	
Wire, iron, No 20, S. W. G.	,,	0 8	..	
Zinc, alloy	,,	0 2	..	
Section H-1.				
Borax, refined	lb.	0 2	0 2	
Cloth—				
Emery—				
No. 0	qrs.	½	..	
No. F	,,	½	..	
Glass—				
No. 2	,,	½	..	
No 2½	,,	½	..	
Glue	lb.	1	..	
Powders, emery, flour	,,	0 6	.	
Rosin	,,	½	..	

(*a*) 1-lb. for 200 arms.
(*b*) 2-ozs. for 100 arms

APPENDIX 9—*concld.*

TABLE 2.—*Tools for artillery units.*

Description		Scale per Headquarters, Field, Medium and Mountain Artillery Brigade and battery of R H A (Peace and War)	Remarks.
Section B-1.			
Pullthroughs, gauze, wire "A"	pieces	2	
Section B 3.			
Bags, armourers, S A		1	
Braces, armourers		1	
Bits, spoon		1	
Clams, No 1 A	prs	1	
Gauges, armourers—			
·064 in., No. 1		1	
·074-in., No. 1		1	
Striker point, No. 1		1	
Jute	lb.	0·8	
Tools—			
Bore—			
Bits		1	
Bushes, A		1	
Plugs		1	
Rods		1	
Cleaning—			
Guides, No. 2		1	
Rods—			
No. 1		1	
No. 4		1	
Sticks		1	
Guard, hand.		1	
Wire, armourers, brass	lb	1	

APPENDIX 10

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 10.

(Referred to in para. 265.)

Repair of Web Equipment, pattern '08.

TABLE 1.—*Scale of tools allowed.*

Articles.	Establishment of unit.				Remarks.
	499 and under.	500 to 1,099	1,100 to 1,499.	1,500 and over.	
1	2	3	4	5	6
Section F.					
Awls—					
Blades, garnishing	2	4	6	8	
Handles, wood, small . .	1	2	3	4	
Hammers, carpenters, Warrington pattern, 8-oz.	1	2	2	2	
Knives, trimming	1	2	3	4	
Mallets, box-wood	1	1	2	2	
Needles—					
Sewing, hand—					
No. 1	25	25	50	50	
No. 2	25	25	50	50	
Nippers, end cutting, 9-in . prs.	1	1	1	1	
Pliers, eyelet . . . ,,	1	1	2	2	
Punches, round, ½-inch . .	1	1	2	3	
Scissors, 8-in. . . . prs	1	1	1	1	
Sets, riveting, No 10 . . .	1	1	2	3	
Clothing Section, No. 19.					
Tapes, measuring	1	1	2	2	

NOTE 1.—Additional tools up to 100 per cent in excess of the scales shown in columns 2 and 3 may be demanded on payment.

NOTE 2.—The scales in this appendix apply also to A. F. (I.) and I. T. F. units, but do not apply to Corps and Divisional Signals

APPENDIX 10—*contd.*

TABLE 2.—*Material allowed annually.*

Description	12 MONTHS' SUPPLY FOR 100.									
	Attachments, brace	Belts, waist.	Belts, waist, special.	Braces with buckles.	Carriers, cartridge.	Carriers, water-bottle	Frogs.	Haversacks.	Packs.	Straps, supporting.
Section A·1										
Billets—										
W. P., ¾-in × 6-in.	..	..	.	.	3	..	..	..	..	..
Buckles, brass—										
1-in.	..	..	.	..	..	..	..	2	1	1
2-in	..	1	1	1	1	1	..	1	..	..
3-in.	..	2	2		..	..	..	..	..	..
Chapes, web—										
¾-in., with buckle	..	..	12	..	..	..	..	..	..	..
1-in.— With 1 buckle	..	..	1	..	..	..	..	1	3	..
With 2 buckles	..	.	..	..	..	..	..	2	..	..
Eyelets (a)	..	..	..	..	..	..	..	..	..	..
Fasteners, snap—										
Base	.	.	..	.	22	5	..	..	..	..
Crown— Bottom	..	.		.	20	4	..	..	..	..
Top	.	.	.	..	25	5	..	..	..	..
Washers	..	..	..	..	30	6	..	..	..	..

APPENDIX 10—*contd.*

TABLE 2—*concld.*

Description.	12 MONTHS' SUPPLY FOR 100.									
	Attachments, brace	Belts, waist.	Belts, waist, special	Braces, with buckles.	Carriers, cartridge.	Carriers, water-bottle.	Frogs.	Haversacks.	Packs	Straps, supporting.
Section A-1—concld.										
Flaps—										
With base of fastener and chape with brass loop	..	..	..	..	20	..	..	..	..	..
With crown of fastener	..	..	..	..	20	..	..	..	..	..
Hooks, brass—										
Double	..	..	..	.	2	..	..	..	..	..
With tip	..	2	2	..	..	..	..	..	..	..
Slides, brass, 3 in.	..	3	3	..	..	..	..	..	..	..
Tabs—										
Cartridge carrier	..	..	..	..	9	..	..	..	..	..
Web—										
1-in. ×—										
6¾ in.	..	..	..	..	..	..	..	2	..	..
10½-in.	..	..	..	..	..	..	..	..	3	..
15-in.	..	..	..	..	1	..	..	..	..	..
2-in. ×—										
7½-in.	..	..	..	..	..	..	..	2	1	..
8½-in., with buckle	..	2	..	..	..	..	..	..	..	..
2½-in., with buckle	..	..	..	..	2	..	..	..	..	..
Tips, brass—										
¾-in.	..	..	..	..	3	..	..	..	..	..

1-in.		1	..	..	..	1	1	..	1	1	1
2-in.			1	..	1	1	.	..	1	1	..
3-in.		..	3	.		..	.	..	..	..	..
Web, drab—											
1 in., thick	yds	1	..	.	..	..	1	..	..	1	1
1½ in.	"		..	.	..	..	..	1½	..	..	..
2-in.	"	..	..		.	..	1	..	..	..	..
Section G-1.											
Rivets, copper, bose tinned, No. 10, S. W. G. (b)		..	.	.	.		..	..	..	..	..
Washers, copper, bose, No. 10, S. W. G. (a)		.	.	..	.	..	..	..	.	..	..
Section H-2											
Thread, linen, machine, drab—											
No. 18 (c)		..	.		..	.	.	..	..	..	..
No. 25 (d)		.	..	..		.	..	..		..	..
Clothing Section 2											
Drill, cotton, khaki, 28-in. (e)	yds	.	..	.	.		.	.	..	..	..

(a) 1-oz. per 100 sets of equipment.
(b) 1½-oz. per 100 sets of equipment.
(c) 2½-oz. per 100 sets of equipment.
(d) 2 oz. per 100 sets of equipment.
(e) 1½ yds. per 100 covers mess tin.

APPENDIX 10—*concld.*

TABLE 3.—*Instructions for carrying out repairs.*

1. Articles of web equipment usually become unserviceable through friction. Where the webbing has become frayed in or about the centre of any part it can be neatly darned but where the edges are frayed a new part will be fitted.

2. When new fasteners, eyelets and rivets are fitted, the webbing will not be cut (punched) but parted with an awl.

3. *Attachments, Brace.*—The 15" × 1" strap is the part that usually requires repair, it wears out quickly where it connects with the buckles of the waist belt and supporting straps and will be replaced when necessary.

4. *Belts, Waist.*—These are supplied in three sizes, large 56", medium 50", small 44" [illegible]

5. *Braces.*—[illegible]

[illegible]

7. *Carriers, water-bottles.*—These, as in the case of braces, become frayed at the edges and very little in the way of repairs can be done. If new parts are fitted the top band will be made slightly full to allow for shrinkage.

8. *Frogs.*—The loops on the front wear out quickly at the part where the nipple of the scabbard rests. When fitting new loops the top loop should be slightly larger than the bottom loop so as to allow the nipple of the scabbard to pass under.

9. *Haversacks.*—The back of the haversack wears out more quickly [illegible]

10. *Loops, dirk.*—New parts will be fitted when the edges become frayed.

11. *Packs.*—The back of the pack usually becomes worn through contact with the back belt buckles. The worn places will be neatly darned. [See (4) for fitting back tabs.]

12. *Straps, supporting.*—Same remarks as for braces.

13. *Sewing.*—If machines are available, they may be used, but if not, all sewing is to be done by hand with two needles. Sewing by the hook awl *method is prohibited.*

The thread used for the various parts is stated below :—

Attachments, brace.—No. 18, 3-cord, linen.

Belts.—No 18, 3-cord, linen.

Carriers, cartridge.—No. 18, 3-cord, linen, excepting the flaps, which should be sewn with No. 25.

Carriers, water-bottle.—No. 25, 3-cord, linen, excepting the buckle parts, which are to be sewn with No. 18.

Frogs.—No. 18, 3-cord, linen.

Haversacks.—The gusset, back tabs, and the two large buckle parts, No. 18. All other parts No. 25.

Loops, dirk.—No. 18, 3-cord, linen.

Packs.—No. 25, 3 cord, linen, excepting the sides and back tabs, which are to be sewn with No. 18.

Straps, supporting.—No. 18, 3-cord, linen.

APPENDIX 11

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 11.

(Referred to in para. 37.)

Cleaning, painting, scraping, re-lubricating, etc.

TABLE 1.—*Scale of material, time and pay allowed for cleaning and painting ordnance, group symbols and danger arcs.*

Description.	Quantity of		Time allowed for		Remarks.
	Paint per coat (c) (h).	Mineral jelly and bees-wax per coat.	Scraping (b) and cleaning.	Painting and applying mineral jelly and bees-wax mixture, one coat.	
			Time.	Time.	
B. L. guns—	lbs ozs.	lbs ozs.	H. M.	H. M.	
7·5-inch	5 0	0 8	25 0	10 0	
6-inch	3 0	3 12	15 0	6 0	
60-pr.	1 8	2 6	10 0	4 0	
15-pr.	0 7	0 10	2 0	0 30	
10-pr. 2·75-inch or 2·75-inch converted	0 6	0 6	2 0	0 30	
B. L. howitzers—					
6-inch 26-cwt.	1 4	1 4	6 0	1 30	
Q. F. guns—					
4·7-inch	1 8	2 0	5 0	2 0	
18-pr.	0 10	0 12	3 0	2 0	
13-pr.	0 7	0 8	2 0	1 30	
12-pr. 12-cwt.	0 10	0 14	3 0	1 45	
13-inch 20-cwt.	1 8	1 8	4 0	2 0	
6-pr. Hotchkiss	0 6	0 8	2 0	0 30	
3-pr. Hotchkiss Sub-Calibre	0 5	0 6	1 45	0 30	
Q. F. howitzer—					
4·5-inch	0 12	0 12	3 0	1 15	
3·7-inch	0 6	0 6	2 0	0 30	
R. M. L. 9-pr.—					
8 and 6-cwt.	0 8	0 8	3 0	0 45	
M. L. 3-inch Mortar	0 3	0 6	1 0	0 15	
Group Symbols, Danger, arcs.	0 12(c)	..	0 5(d)	0 10(d)	

NOTE.— [illegible]

(d) Per group symbol or danger arc.

(e) [illegible]

[illegible] composition, as the former will not dry over the latter.

(g) The pay allowed for scraping and cleaning is one anna per hour, and for applying the mineral jelly and bees-wax mixture, painting group marks, manning boards, and lettering [illegible]

(h) Th[illegible]

APPENDIX 11—*contd.*

TABLE 2.—*Scale of material and time allowed for cleaning, scraping and painting carriages, vehicles and miscellaneous stores.*

NOTES—(*a*) All carriages exposed to the weather will be cleaned and painted annually, or more often if considered necessary.

(*b*) The figures shewn for carriages include the wheels; those for limbers the poles and wheels; and those for wagons the wheels but not the limbers.

(*c*) The pay allowed for scraping and cleaning is one anna per hour, and for painting and lettering one and a half annas per hour, unless a skilled artificer of whose craft painting forms a part is necessarily employed, in which case the rate will be two annas per hour.

(*d*) This scale is only intended as a guide in the case of units who draw the annual allowance of paint and putty authorised in the Equipment Regulations of the unit concerned.

Description.	Paint, each coat		Putty		TIME ALLOWED FOR ONE OF EACH.						Remarks.
					Scraping and cleaning		Painting.				
							1st coat.		2nd coat		
	lbs	oz.	lbs	oz.	H.	M.	H.	M.	H.	M.	
Barrows—											
Powder, two wheels	1	8	0	4	1	30	2	0	2	0	
Projectile—											
No. 16	0	12	0	2	0	30	1	0	1	0	
Bars, supporting draught pole	0	2	..		0	10	0	10	0	10	
Buckets, sponge, garrison	0	6	..		0	5	0	15	0	15	
Bullock draught—											
Chains, I. P., pole, field or siege	0	8			2	0	0	30	0	30	
Poles, I. P.—											
Field	0	12	..		0	20	0	20	0	20	
Siege	0	12	..		0	20	0	20	0	20	
Yokes, I. P.	0	8	..		0	15	0	15	0	15	

APPENDIX 11—*contd.*

TABLE 2.—*contd.*

Description.	Paint, each coat.		Putty.		TIME ALLOWED FOR ONE OF EACH. Scraping and cleaning.		Painting. 1st coat.		Painting. 2nd coat.		Remarks.
	lbs	oz.	lbs.	oz.	H.	M.	H.	M.	H.	M.	
Caissons, Q. F. 13 or 18 pr. with limber	10	0	1	0	15	0	10	0	10	0	
Capstans crab	4	0	0	8	1	30	1	30	1	30	
Carriages—											
Ambulance, stretcher, I. P.	3	0	0	4	2	0	2	0	2	0	
Field—											
B. L.—											
15-pr.	7	8	1	0	6	40	6	20	6	30	
60-pr. Mark IV	9	0	1	0	6	40	6	20	6	30	
6 inch, 26-cwt. howitzer	9	0	1	0	6	40	6	20	6	30	
Q. F.—											
4·5 inch, howitzer	9	0	0	14	6	40	6	20	6	30	
18-pr.	8	0	0	12	5	40	5	20	6	0	
13-pr.	8	0	0	10	5	40	5	20	6	0	
3·7-inch howitzer.	6	0	0	8	3	20	4	0	4	0	
R. M. L.—											
9-pr. Marks I and II	9	0	1	0	14	0	8	30	11	0	
S. B.—											
9-pr. wood	11	0	1	8	14	0	8	30	11	0	
Garrison—											
Barbette, B. L. 7·5-inch (*e*)	40	0	1	0	28	0	20	0	26	0	
B. L. 6-inch C. P.	8	0	..		11	0	10	0	10	0	

Q. F.—											
4 7 C. P	7	0	0	4	7	0	8	30	9	0	
12-pr.	5	0	..		5	0	6	0	6	0	
Mountain B. L., 10-pr	3	8	0	4	3	20	3	30	3	30	Without wheels.
B. L., 2 75-inch	3	8	0	4	3	0	3	30	3	30	
R. M. L.—											
2 5-inch	3	0	0	4	3	0	3	0	3	0	
Parapet, M. G.	2	0	0	2	2	0	2	0	2	30	
Travelling—											
Q F.—											
4 7-inch, converted	8	4	0	8	4	0	6	15	7	45	
Carts—											
Hand, common, I. P.	5	0	0	10	4	0	4	0	4	0	
Ambulance, horse, light	6	0	0	12	4	30	4	30	4	30	
Water, tank, Marks V to VII	6	0	0	10	4	30	4	0	4	30	
Tool, R. E.	5	0	0	10	4	15	4	0	4	20	
Transport	5	0	0	8	4	0	2	30	2	40	
Cases, powder—											
Metal lined—											
Whole	0	12	0	4	0	30	0	50	1	0	
Half	0	9	0	3	0	20	0	25	0	30	
Quarter	0	6	0	2	0	15	0	15	0	20	
Chests, treasure—											
Large	0	8	0	1	0	15	0	15	0	15	
Small	0	6	0	1	0	15	0	15	0	15	
Colours, camp, I P.—											
Poles—											
Ordinary	0	4			0	10	0	15	0	15	
" S and M	0	2	.		0	5	0	10	0	10	
Saluting—											
Plain and jointed	0	6	.		0	10	0	15	0	15	

(c) The following is authorized for
B L. 7 5" carriages at Manora Fort :—

Cuirass anti-corrosive composition No 16 . 10 galls per carriage annually for painting the upper portion of shell pit shield. (To be obtained locally).

Paint . . . . 30 lbs. per coat for painting the under portion of shell pit shields and the remaining part of the carriage.

APPENDIX 11—*contd.*

TABLE 2.—*contd.*

Description.	Paint, each coat.		Putty.		TIME ALLOWED FOR ONE OF EACH.						Remarks.
					Scraping and cleaning.		PAINTING.				
							1st coat.		2nd coat.		
	lbs.	oz.	lbs.	oz.	H.	M.	H.	M.	H.	M.	
Connectors, lorry draught—											
Nos 1, 2 and 3	1	0	0	1	0	15	0	45	0	45	
Connectors, engine draught Nos. 1 and 2	0	8	0	1	0	10	0	30	0	30	
Covers, wagon, G. S., Mark X* I. P.	0	8	..		0	10	0	30	0	30	
Cylinders, cartridge—											
No. 34	26	9	..		0	20	0	45	0	45	The quantity of paint shown is for 100 cylinders.
Drugs, gun—											
12 tons	10	0	2	0	8	0	7	0	7	0	
Engines, fire, I. P.	8	0	0	8	10	0	8	0	8	0	
Frames, store, hydraulic jack	0	12	..		1	30	1	15	1	30	
Gear, electric firing, cables (b)—											
"A" (White)	0	6(a)	..		..		1	0	..		(a) Per 25 feet of cable. Biennial allowance. The paint will be issued ready mixed. (b) Cable "A" expendable is not painted.
"B" (Purple)	0	6(a)	..		..		1	0	..		
"C" (Red)	0	6(a)	..		..		1	0	..		
"D" (Yellow)	0	4(a)	..		..		1	0	..		
"E" (Black)	0	4(a)	..		..		1	0	..		

Gyns, triangle—						
12 tons	5 8	..	9 0	6 0	6 0	
7 tons	5 0	..	7 0	5 0	5 0	(c) Includes paint for lettering.
3½ tons	7 8	1 8	6 0	4 30	5 30	
2½ tons	7 0	..	6 0	4 30	5 30	
Indicators, range	2 8(c)	0 8	3 0	2 0(d)	3 0	(d) Time for lettering 6 hours
Jacks, lifting—						
G. S.	0 6	..	0 30	0 30	0 30	
Hydraulic, G. S.—						
22½ tons	0 4	..	0 30	0 20	0 20	
15 "	0 4	..	0 30	0 20	0 20	
7½ "	0 4	..	0 20	0 20	0 20	
Screw No. 1	0 4	..	0 30	0 30	0 30	
Limbers—						
B. L.—						
15 pr	6 0	0 8	3 0	6 0	6 0	
6 inch 26-cwt. howitzer	5 0	0 12	3 0	5 0	5 0	
60 pr. Mark I-A.	6 8	0 8	3 0	6 0	6 0	
Q. F.—						
4·7-inch, converted	5 8	0 8	3 0	6 0	6 0	
4·5-inch, howitzer	5 8	0 8	3 0	6 0	6 0	
18 pr.—						
Carriage	5 8	0 8	3 0	6 0	6 0	
Wagon	5 0	0 8	3 0	6 0	6 0	
13 pr.—						
Carriage	5 8	0 8	3 0	6 0	6 0	
Wagon	5 8	0 8	3 0	6 0	6 0	
Mauls—						
Heads	1 4	.	..	1 45	1 45	per doz. heads.
Mountings—						
Tripod Hotchkiss gun, ·303 inch M. G.	0 2	..	0 15	0 15	0 15	
Tripod ·303 inch M. G., Mark IV	1 0	..	0 45	0 45	0 45	
Mounts, field, ·303" Lewis gun	0 4	..	0 15	0 15	0 15	

APPENDIX 11—*contd.*

TABLE 2.—*contd.*

Description.	Paint, each coat.		Putty.		TIME ALLOWED FOR ONE OF EACH. Scraping and cleaning.		Painting. 1st coat.		Painting. 2nd coat.		Remarks.
	lbs.	oz.	lbs.	oz.	H.	M.	H.	M.	H.	M.	
Connectors, lorry draught— *Nos 1, 2 and 3*	1	0	0	1	0	15	0	45	0	45	
Connectors, engine draught Nos. 1 and 2	0	8	0	1	0	10	0	30	0	30	
Covers, wagon, G. S., Mark X* I. P.	0	8	..		0	10	0	30	0	30	
Cylinders, cartridge— No 34	26	9	..		0	20	0	45	0	45	The *quantity of* paint shown is for 100 cylinders.
Drugs, gun— *12 tons*	10	0	2	0	8	0	7	0	7	0	
Engines, fire, I. P.	8	0	0	8	10	0	8	0	8	0	
Frames, store, hydraulic jack	0	12	..		1	30	1	15	1	30	
Gear, electric firing, cables (b)— "A" (White)	0	6(a)	..		..		1	0	..		(a) Per 25 feet of cable. Biennial allowance. The paint will be issued ready mixed. (b) Cable "A" expendable is not painted.
"B" (Purple)	0	6(a)	..		..		1	0	..		
"C" (Red)	0	6(a)	..		..		1	0	..		
"D" (Yellow)	0	4(a)	..		..		1	0	..		
"E" (Black)	0	4(a)	..		..		1	0	..		

Gyns, triangle—											
12 tons	5	8	..		9	0	6	0	6	0	
7 tons	5	0	..		7	0	5	0	5	0	(c) Includes paint for lettering.
3½ tons	7	8	1	8	6	0	4	30	5	30	
2½ tons	7	0	..		6	0	4	30	5	30	
Indicators, range	2	8(c)	0	8	3	0	2	0(d)	3	0	(d) Time for lettering 6 hours.
Jacks, lifting—											
G. S	0	6	..		0	30	0	30	0	30	
Hydraulic, G S —											
22½ tons	0	4	..		0	30	0	20	0	20	
15 ,,	0	4	..		0	30	0	20	0	20	
7½ ,,	0	4	..		0	20	0	20	0	20	
Screw No 1	0	4	..		0	30	0	30	0	30	
Limbers—											
B L.—											
15 pr	6	0	0	8	3	0	6	0	6	0	
6 inch 26 cwt howitzer	5	0	0	12	3	0	5	0	5	0	
60 pr Mark I-A.	6	8	0	8	3	0	6	0	6	0	
Q F—											
4 7 inch, converted	5	8	0	8	3	0	6	0	6	0	
4·5-inch, howitzer	5	8	0	8	3	0	6	0	6	0	
18 pr —											
Carriage	5	8	0	8	3	0	6	0	6	0	
Wagon	5	0	0	8	3	0	6	0	6	0	
13 pr —											
Carriage	5	8	0	8	3	0	6	0	6	0	
Wagon	5	8	0	8	3	0	6	0	6	0	
Mauls—											
Heads	1	4	..		.		1	45	1	45	per doz. heads.
Mountings —											
Tripod Hotchkiss gun, ·303-inch M G	0	2	.		0	15	0	15	0	15	
Tripod ·303 inch M G, Mark IV	1	0	..		0	45	0	45	0	45	
Mounts, field, ·303" Lewis gun	0	4	..		0	15	0	15	0	15	

APPENDIX 11—*contd.*

TABLE 2.—*contd.*

Description.	Paint, each coat		Putty.		TIME ALLOWED FOR ONE OF EACH.						Remarks.
					Scraping and cleaning.		PAINTING				
							1st coat.		2nd coat.		
	lbs.	oz	lbs.	oz	H.	M.	H.	M.	H.	M.	
Packsaddlery—											
Artillery, saddles	0	8	0	1	0	20	0	30	0	30	
Saddles, B. L., 2·75-inch	0	9	0	1	0	20	0	30	0	30	
Pedestals carriage—											
No. 2	3	8	..		3	0	2	30	2	30	
No. 6	4	0	.		4	0	3	0	4	0	
B. L. 7·5-inch	4	0	..		4	0	3	0	4	0	
Poles, draught—											
I. P.—											
No. 4	0	8	..		0	15	0	15	0	15	
No. 7-A	0	8	0	1	0	20	0	20	0	20	
Nos. 17 and 18	0	14	0	1	0	30	0	30	0	30	
Camel, draught—poles, field	0	14	0	1	0	30	0	30	0	30	
Platform seize, double deck with hold fast	..		..		..		32	0	..		Tar coal 3 pints.
Pontoons, Bipartite	20	0	6	0	16	0	16	0	16	0	
Posts, aiming	0	4	..		0	10	0	40	0	40	{ 2 oz. black. 2 oz. white.
Posts, picket—											
8 feet	0	8	..		0	15	0	15	0	15	
5 feet	0	6	..		0	10	0	10	0	10	
2½ feet	0	4	..		0	5	0	5	0	5	

Pumps, air 2-stage horizontal, Nos. 2 and 5	0	3	..		0	10	0	10	0	10
Reservoirs, compressed air	0	4	..		1	0	0	30	0	30
Skidding iron—										
10 feet	2	0	..		1	0	0	30	0	30
4 feet	1	0	..		0	30	0	15	0	15
Swingletrees—										
Carts, transport	0	1	..		0	10	0	5	0	5
Nos. 11 and 13	0	2	..		0	5	0	5	0	5
Tongas double draught	8	0	0	8	6	0	5	0	5	0
Wagons—										
Ammunition—										
Q. F.—										
4 5-inch howitzer	8	4	0	12	3	45	7	0	7	0
18 pr.	8	0	0	10	3	45	7	0	7	0
13-pr.	8	0	0	10	3	45	7	0	7	0
Airline	10	0	1	0	8	0	7	0	7	0
Cable, body limber	3	8	0	4	3	0	2	30	2	30
L. G S fore and hind	6	0	0	8	3	0	3	30	3	30
Pontoon	13	0	1	0	8	0	8	0	8	0
G S, Mark X* I P	13	0	1	8	8	0	8	0	8	0
Wheels—										
Special—										
No. 71, I P	0	12	0	0½	0	20	0	30	0	30
" 95, I P	0	12	0	0½	0	20	0	30	0	30
" 80, I P	0	12	0	0½	0	20	0	30	0	30
" 202, I P	1	0			0	30	0	40	0	40
1st Class "B", Nos 10 and 12	2	8	0	4	1	0	1	30	1	30
2nd class "C"—										
No 42, I P	1	8	0	2	0	30	1	0	1	0
No 45, I P and 45 A, I P	1	8	0	2	0	30	1	0	1	0
No 200 and 200 A, I P	1	4	0	2	0	30	1	0	1	0
3rd class "B"—										
No 179, I P	1	0	0	2	0	30	0	40	0	40
No 178, I P.	1	0	0	2	0	30	0	40	0	40

APPENDIX 11—*contd.*

Table 3.—*Scale of material and time allowed for scraping, cleaning, piling or unpiling painting, and oiling projectiles.*

Note 1.—The rates allowed for scraping, cleaning and oiling, also piling or unpiling projectiles are 1 anna 6 pies per hour.
2.—The rates allowed for painting, piling or unpiling projectiles are 1 anna per hour.

Description.	Per 100.				Per Projectile.					Remarks.
	Paint, one coat.		Oil.		Piling or unpiling	Unpiling scraping and cleaning		Painting one coat.	Oiling.	
1	2		3		4	5		6	7	8
	lbs.	oz.	pints		minutes.	H.	M.	minutes.	minutes.	
Shell and shot B. L. or Q. F.—										
7·5-inch	7	0	3	2	5	0	45	15	5	
6-inch 26 cwt. } 6-inch }	5	0	3	0	5	0	40	8	3	
60-pr.	4	0	2	0	5	0	40	8	3	
4·7-inch } 4·5-inch }	3	0	2	0	5	0	40	8	3	
3·7-inch	2	0	1	2	3	0	12	4	2	
12-pr. 12 cwt. } 15, 12 and 10-pr. } 18-pr. } 13-pr. } 2·75-inch }	1	8	1	0	1½	0	10	3	1½	
6-pr. } 3-pr. }	1	0	1	0	1	0	8	2	1	

Paint and oil will only be demanded on the recommendation of Inspecting Ordnance officers.

APPENDIX 11—*contd.*

TABLE 4.—*Scale of material and time allowed for painting distinguishing marks on projectiles.*

NOTE.—The quantity of paint is for 100 projectiles.

Description.	Red ring.	White ring	Red tip.	White tip.	White black and yellow over body.	Blue tip.	Time allowed for painting either operation projectiles.	Remarks.
1	2	3	4	5	6	7	8	9
	lbs. oz.	lbs. oz	lbs oz.	lbs oz	lbs. oz.	lbs oz.	minutes	
Shell or shot Q F or B L.—								
7.5 inch	1 8	1 8	2 0	2 0	2 0	..	2·5	
6-inch 6" 20 cwt 60 pr 4.5-inch 4.7-inch	1 0	1 0	1 4	1 4	1 4	1 4	2·0	
3.7 inch 12-pr., 12 cwt 15, 12 and 10 pr. 18-pr. 13 pr. 2.75 inch	0 12	0 12	1 0	1 0	1 0	1 0	1·5	
6-pr 3 pr	0 10	0 10	0 12	0 12	0 12	0 12	1·0	

Paint will only be demanded on the recommendation of Inspecting Ordnance officers.

APPENDIX 11—*concld.*

TABLE 5.—*Scale of lubricant, time and pay allowed for re-lubricating gas check plugs and nuts or fuze hole plugs when projectiles are not being painted, or for projectiles in store not for armaments.*

NOTE.—The re-lubrication of gas check plugs and nuts is to be considered as one operation.

Working pay will not be allowed for lubricating gas check plugs and nuts or fuze hole plugs for projectiles in R. A. charge or in ordnance charge for armaments nor when projectiles are being painted, the rate for the latter operation includes the re-lubrication.

Description.	Number per hour.	Amount per 100.	Quantity of lubricant (Luting Mk. III) allowed.	Remarks.
1	2	3	4	5
		A. P.	lbs. oz.	
B. L. and Q. F.—				
6-inch and upwards	60	3 0	1 0	
5-inch and under	40	3 9	1 0	

APPENDIX 12

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 12.

(Referred to in para. 251.)

Components allowed annually for the repair of arms.

TABLE 1.—*Rifles, Nos. 1 and 2 and Bayonets, No. 1.*

NOTES 1.—The scales given below do not apply to A. F. (I.) and I. T. F. units.

2.—These scales represent the maximum annual allowance. Subject to these maxima, only such components as are actually required will be demanded.

3.—No component will be replaced by an armourer until it is actually unserviceable.

4.—The annual allowance is not intended to replace components lost or rendered unserviceable through neglect or mal-treatment. Replacements in such instances will be demanded on payment.

5.—Such components of No 2 rifle as are not common to No. 1 rifle will be demanded to replace condemnations as necessary.

6.—[illegible] will maintain [illegible]

7.—Material for the repair of the wooden fittings of rifles on demand by units, will be issued by the C O. O. from unserviceable stocks of butts and fore-ends

Articles.	Scale per 200 arms (except where otherwise stated).	Remarks.
SECTION B-1. *Components of rifles.*		
Bands, outer, No. 1	1	per unit.
Bolts—		
Breech, No. 1	1	
Locking, No. 1	2	
Stock, No. 1-A	1	per unit.
Brackets	1	per unit
Caps, nose, No. 1 (a)	(b)	
Cases, magazine, No. 1-B.	1	
Catches—		
Magazine, No. 1	1	
Safety, No. 1	1	
Slide, backsight, No. 1	1	
Cocking pieces, No. 1-B.	5	
Cut-offs, No. 1	2	per unit.
Discs, marking, brass	1	
Extractors, No. 1	3	
Guards, hand, No 1—		
Front	6	
Rear	6	
Heads, breech, bolt, No. 1	6	
Leaves, backsight, No. 1-B	2	per unit.

(a) For units with British armourers and specially trained Indian armourers, *i.e.* those trained at Ishapore from 1st January 1928 onwards.

(b) To be demanded as and when C. O. M. As. sentence rifle to be fitted with new nose caps.

APPENDIX 12—*contd.*

TABLE 1—*contd.*

Articles	Scale per 200 arms (except where otherwise stated).	Remarks
SECTION B 1—*contd.*		
Components of rifles—contd.		
Nuts—		
Cap, nose, No. 1	1	
Protector, No 1	1	
Pins—		
Axis, backsight, No 1	1	
Head, screw, windgauge, No 1	1	
Stop, bolt, locking, No 1	6	
Trigger, No. 1	1	
Washer, backsight, No. 1	2	
Plates, butt, No. 1	2	per unit.
Platforms, magazine, No 1-B	1	
Screws—		
Band, inner, No 1	1	
Cap, nose—		
Back, No 1	1	
Front, No 1	1	
Catch, slide, backsight, No. 1	1	
Cut-off, No. 1	1	
Ejector, No 1-B.	3	
Extractor, No 1	2	
Guard, trigger—		
Back, No. 1	3	
Front, No 1	1	
Plate, butt, No. 1	1	
Protector, No 1	1	
Sear, No 1	2	
Spring—		
Bolt, locking, No. 1	2	
Sight, back, No 1	1	
Striker, No. 1	3	
Swivel	2	
Windgauge, No 1	1	
Sears, No. 1	2	
Slides, backsight, No 1	1	
Springs—		
Auxiliary, magazine, No 1-B	1	
Bolt, locking, No. 1	4	
Catch, slide, backsight, No 1	1	
Extractor, No. 1	2	
Main, No. 1	2	
Retaining, No. 1	1	
Screw—		
Band, inner, No. 1	1	
Windgauge, No 1	1	
Sear, No. 1	1	
Sight, back, No. 1	1	
Trap, butt-plate, No 1	1	
Windgauge, No. 1	1	

APPENDIX 12—*contd.*

TABLE 1—concld.

Articles.	Scale per 200 arms (except where otherwise stated).	Remarks.
SECTION B-1—*concld.*		
Components of rifles—concld.		
Stocks, butt, No. 1—		
Long	2	per unit.
Normal	1	
Short	2	per unit.
Stocks, fore-end, No. 1 (a)	(c)	
Strikers, No. 1-B	4	
Swivels—		
Band	1	
Piling, "B"	2	
Triggers, No. 1	1	
Wads, No. 1	3	
Washers—		
Bolt, stock, No. 1	6	
Pin, No. 1	1	
Spring, bolt, locking, No. 1	1	
Windgauges, backsight, No 1	1	
Components of bayonets, No. 1.		
Bolts	3	
Grips, pairs	4	
Nuts—		
Bolt	2	
Grip	4	
Screws, grip	4	
Springs, bolt	3	
Components of scabbards, bayonet, No. 1.		
Chapes	1	
Laces—		
Long	10	
Short	10	
Lockets	1	
Appurtenances of rifles.		
Bottles, oil—		
Stoppers	1	
Washers	2	

(a) For units with British armourers and specially trained Indian armourers, *i.e.*, those trained at Ishapore from 1st January 1928 onwards.

(c) To be demanded only for actual replacements at the scale of 5 per 200 rifles. No spares are to be held in units owing to danger of warping.

APPENDIX 12—*contd.*

TABLE 2.—*Pistols, revolver, No. 1.*

NOTES. 1.—Units having less than 10 pistols on charge will demand such components as are actually required for repair, etc.

2.—The following illustrations will be used as a guide in calculating for pistols beyond the numbers given in this table:—

115 pistols=Scale D+Scale A.

145 pistols=Scale D+Scale B.

3.—The scales in this table are also applicable to A. F. (I.) and I. T. F. units.

Stores	SCALE FOR THE NUMBER OF PISTOLS ON CHARGE				Remarks.
	A. per 10 pistols or more.	B. per 20 pistols or more	C. per 60 pistols or more.	D. per 100 pistols.	
SECTION B-2.					
Components of Pistols, revolver, No. 1.					
Cams	1	1	1	2	
Catches—					
Barrel, Mark VI		1	1	2	
Hammer	1	1	2	4	
Hammers	1	1	2	4	
Levers—					
Auxiliary	1	1	1	2	
Cam, cylinder	..	..	2	4	
Extractor	1	1	1	2	
Nuts—					
Extractor	1	1	1	2	
Screw, stock	.		1	2	
Pawls	1	2	4	8	
Pins—					
Joint	1	1	2	4	
Stock	.	..	2	4	
Swivel, butt			1	2	*Not for Mark VI* pistol
Screws—					
Cam, cylinder	1	2	3	6	
Catch, barrel, Mark VI	1	1	2	4	
Catch, hammer	1	1	1	2	
Fixing, lever, cam	1	2	3	6	
Guard	1	2	4	8	
Hammer	1	1	2	4	
Lever, cam	1	1	2	4	
Pin, joint	1	1	3	6	
Shield			1	2	
Spring, stop, trigger		1	1	2	
Stock			1	2	
Swivel, hammer	.	.	1	2	

APPENDIX 12—*contd.*

TABLE 2—*concld.*

Stores.	SCALE FOR THE NUMBER OF PISTOLS ON CHARGE. A. per 10 pistols or more	B. per 20 pistols or more.	C. per 60 pistols or more.	D. per 100 pistols.	Remarks.
SECTION B-2—*concld.* *Components of Pistols, revolver, No. 1*—concld.					
Springs—					
Catch—					
Barrel . . .	1	1	3	6	
Hammer . .	1	1	2	4	
Extractor . . .	1	1	2	4	
Lever, auxiliary .		..	1	2	
Main	1	1	2	4	
Stop, trigger . .	1	2	2	4	
Stops, trigger . . .	1	2	2	4	
Swivels—					
Butt	..	.	1	2	
Hammer . . .		.	1	2	
Triggers . .	..		1	2	

APPENDIX 12—*contd.*

TABLE 3.—*Components, etc., allowed annually for the repair and maintenance of rifles, No. 1, D. P.*

Description of stores		Scale per 100 rifles.	Remarks.
Section B 1.			
Bands, outer, No. 1 (*a*)		3	
Bolts—			
Breech, No. 1 (*a*)		2	
Locking, No. 1 (*a*)		4	
Catches, safety, No. 1 (*a*)		4	
Cocking-pieces, No 1, A or B (*a*)		5	
Extractors, No. 1 (*a*)		2	
Guards, hand, No 1—			
Front (*a*)		12	
Rear (*a*)		6	
Nuts—			
Cap, nose, No 1		2	
Protector, No. 1		1	
Screws—			
Cap, nose—			
Back, No 1		2	
Front, No. 1		2	
Catch, slide, backsight, No 1		2	
Guard trigger—			
Back, No. 1		4	
Front, No. 1		2	
Spring, sight, back, No 1		2	
Striker, No. 1		2	
Swivel		10	
Sears, No. 1 (*a*)		4	
Springs—			
Bolt, locking, No. 1		4	
Catch, slide, backsight, No. 1		4	
Extractor, No. 1		8	
Sight, back, No. 1		2	
Stocks, fore end, No 1, "B" (*a*)		12	
Swivels—			
Band (*a*)		4	
Piling, "A" or "B" (*a*)		6	
Section H-1.			
Paint, white, lead, genuine	lb.	0-12	For marking D P rifles in accordance with I. L. C. clause 13341, twice yearly

(*a*) Supplied from components recovered from unserviceable arms. These components will be marked "D. P." before issue.

APPENDIX 13

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 13.

(Referred to in para. 78.)

Standard sizes of horse, mule and pony shoes and nails.

NOTES 1. When "Lion Brand" nails (I. L. C. § 10418) are issued, one size smaller, when such exist, than those shown below should be used.
2. Number of horse shoes nails per lb.

Brand.	3	4	5	6	7	8	10
Capewell	245	190	157	125	135	95	78
Globe, "C"	230	170	144	116	130	90	70
Mustad	230	195	160	120	130	90	70

—	Shoes, horse, I. P. Artillery.										Shoes, horse, I. P., Cavalry.							
	No. 5.		No 6.		No 7.		No. 8.		No. 9.		No 3.		No. 4.		No. 5.		No. 6.	
	Fore.	Hind.	Fore.	Hind.	Fore	Hind.	Fore	Hind	Fore	Hind.	Fore	Hind.	Fore.	Hind.	Fore.	Hind.	Fore.	Hind.
Length . . . . inch	5 5/16	5 7/16	5 9/16	5¾	6⅛	5¾	6¼	6¼	6 7/16	6 7/16	4⅞	4 13/16	5	5¾	5 5/16	5 5/16	5⅝	6⅛
Width . . . . "	6	5	5¼	5 9/16	5 13/16	5 15/16	6¼	6¼	6⅝	6⅝	4 5/16	4	4 11/16	4 9/16	4 15/16	4 13/16	5 1/16	5 9/16
Width at arch . . . "	7/8	13/16	1	1	1	1	1	1	1	1	5/8	11/16	5/8	¾	11/16	¾	13/16	11/16
Width at heel . . . "	13/16	13/16	7/8	13/16	7/8	13/16	13/16	7/8	13/16	13/16	9/16	9/16	9/16	5/8	5/8	9/16	11/16	11/16
Thickness . . . . "	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	½	½	½	½	½	½	½	½
Number of nail holes . . "	8	8	8	8	8	8	8	8	8	8	6	6	8	8	8	8	8	8
Size of nail . . . "	6	6	7	7	8	8	8	8	8	8	3	3	4	4	6	6	7	7
Average weight per shoe . oz	16¾	17	17	17½	20½	21½	22	23	24½	25	7	7	8	9	10	10	12	12½

APPENDIX 13—*contd.*

—	Shoes, Mule, I. P.							
	No. 2.		No. 3.		No. 4.		No. 5.	
	Fore.	Hind.	Fore	Hind	Fore.	Hind.	Fore.	Hind.
Length . . . . inch	$4\frac{3}{16}$	$4\frac{1}{8}$	$4\frac{1}{2}$	$4\frac{13}{16}$	$5\frac{1}{8}$	$5\frac{5}{16}$	$5\frac{3}{8}$	$5\frac{9}{16}$
Width . . . . „	$3\frac{5}{16}$	$3\frac{11}{16}$	$3\frac{11}{16}$	$3\frac{9}{16}$	$4\frac{3}{16}$	$3\frac{15}{16}$	$4\frac{9}{16}$	$\frac{3}{8}$
Width at arch . . . . . . „	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
Width at heel . . . . . . „	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{11}{16}$
Thickness . . . . „	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
Number of nail holes . . . . . „	6	6	6	6	6	0	6	8
Size of nail . . . . „	3	3	3	3	3	3	4	4
Average weight per shoe . . . . oz.	$5\frac{1}{4}$	$5\frac{1}{4}$	7	$7\frac{1}{4}$	$10\frac{1}{2}$	$10\frac{1}{2}$	$10\frac{1}{2}$	$12\frac{1}{4}$

APPENDIX 13—*contd.*

	Shoes, Fore, I. P.			
	No. 2.		No. 3.	
	Fore.	Hind.	Fore.	Hind.
Length . . . . inch	3[illegible]	3[illegible]	4[illegible]	4[illegible]
Width . . . . ,,	3[illegible]	3[illegible]	4[illegible]	3[illegible]
Width at arch . . . . ,,	[illegible]	[illegible]	[illegible]	[illegible]
Width at heel . . . . ,,	[illegible]	[illegible]	[illegible]	[illegible]
Thickness . . . . ,,	[illegible]	[illegible]	[illegible]	[illegible]
Number of nail holes . . . . ,,	6	6	6	6
Size of nails . . . . ,,	3	3	3	3
Average weight per shoe . . . . oz.	6	6	6[illegible]	7

APPENDIX 13—*concld.*

—		Shoes, horse, L. P., heavy draught.					
		No. 8.		No. 9.		No. 10.	
		Fore.	Hind.	Fore.	Hind.	Fore.	Hind.
Length	inch	6½	6½	6¾	7	7	7¼
Width	,,	6½	6½	7	6¾	7¼	7¼
Width at arch	,,	1¼	1¼	1¼	1¼	1¼	1¼
Width at heel	,,	⅞	⅞	⅞	⅞	1	1
Thickness	,,	½	½	½	½	½	½
Number of nail holes	,,	8	8	8	8	8	8
Size of nails	,,	10	10	10	10	10	10
Average weight per shoe . .	oz.	30	30	32	32	34	34

APPENDIX 14

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 14.

(Referred to in para. 260.)

Stores supplied for browning arms.

Article.	Scale.		Remarks.
	Biennially, or half the scale annually.		
Section B-3.			
Dust, bone . . . . . ozs.	5 per 50 stand of arms.		
	Peshawar, Rawalpindi, Lahore, Kohat, and Baluchistan Districts.	Elsewhere.	
	Per 50 arms.	Per 50 arms.	
Card, scratch, armourers . ft.	1½	1½	
Section D-1.			
Brushes, harness, hard . . .	1 per 200 arms or less.		
Sponge, 1-oz.	1 per 200 arms or less.		
Section H-1.			
Acid, nitric . . . . . ozs.	1½	4½	
Cloth, emery—			
No. 1 . . . . . sheets	6	6	
No. F . . . . . ,,	6	6	
Copper, sulphate of, commercial ozs.	¾	..	
Nitre, sweet, spirits of, denatured ,,	3½	..	
Oil, lubricating, mineral, G. S. (a) . . . . . . pts.	1½	1½	(a) Drawn with annual allowance for the unit.
Powder, emery, flour . . ozs.	3	3	
Soda, ash . . . . . lb.	3½	3½	
Steel, tincture of, methylated . ozs.	4⅓	8½	
Wine, spirits of pure . . ,,	2½	3—2	
P. & S. Group.			
Dosootie, old . . . . . lb.	15 per 50 stand of arms (with bayonets and scabbards).		

NOTES.—(i) Three-fourths of the scale will be sufficient for "patch" browning 50 rifles.

(ii) One-sixth of the scale is sufficient for browning 50 bayonets or 50 scabbards.

(iii) For allowances for browning arms, etc., see para. 83 (ii) and (iv), Pay and Allowance Regulations, Part I.

(iv) The scales in this Appendix do not apply to A. F. I. or I. T. F. units.

APPENDIX 14-A

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 14-A.

(Referred to in para. 37.)

Stores allowed for cleaning arms.

NOTES 1.—Arms taken by soldiers undergoing imprisonment will be considered as on charge of the Military Prison or Detention Barrack concerned.

2.—Units proceeding on field service will take an initial supply equal to two months' allowance on the normal peace scale.

Articles.	Scale.	Remarks.
Section B-1.		
Pullthroughs— Cords— Single	*Regular Army*— 2 for each service rifle (excluding reservists rifles). 1 for each D. P. rifle in Indian infantry training battalions. 10 per 100 rifles for reservists.	
Double	*All units*— 1 per 100 service rifles for use by the armourer. 1 per 133 D. P. rifles in U. T. C. (I. T. F.) units.	
Gauze wire pieces	*Regular Army*— 150 per 100 service rifles. 75 per 100 D. P. rifles in Indian infantry training battalions. 10 per 100 rifles for reservists. *Auxiliary and Territorial Forces*— 75 per 100 service rifles. 56 per D. P. rifles in U. T. C. units. *All units*— 10 per 100 service rifles for use by the armourer.	
Section B-3.	*Regular Army*—	
Flannelette	For each service and ·22" rifle— Cavalry, Infantry, Sappers and Miners . . yds. 11 All other units . . „ 6 Reservists . . „ 3 For each D. P. rifle with Indian infantry training battalions. „ 6 For each pistol . „ 4	Also 6 yards per musket for units who have means of obtaining flannelette for cleaning muskets (e.g., a unit without rifles, etc., on charge).

APPENDIX 14-A—*concld.*

Articles.	Scale.	Remarks.
Section B-3—concld.		
Flannelette—*concld.* . .	*Auxiliary and Territorial Forces—* For each service and ·22" rifle . . yds. 2 For each pistol . „ 1 For each D. P. rifle in U. T. C. units . „ 1½	
Section H-1.	*Regular Army—*	
Oil, lubricating, mineral, G. S.	90 pints per 100 service, E. Y. or D. P. rifles (includes allowance for browning arms). 8 pints per 100 muskets (*a*), pistols and 22" rifles. 7½ pints per 100 reservists rifles. *Auxiliary and Territorial Forces—* 15 pints per 100 rifles 4 pints per 100 muskets, pistols and 22" rifles.	(*a*) In regular units where no rifles or machine guns are held on charge.
Section P. and S.		
Dosootie, old . .	*All units—* 2½ ozs. per rifle .	Also applicable per musket for units with no rifles on charge

APPENDIX 15

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 15.

(Referred to in para. 37.)

Stores supplied for the quarterly lubrication of rifles between stock and barrel.

Article.	Scale.	Remarks.
Composition, preserving, arms (a) . . . . lb.	8 per 100 stand of arms on charge annually.	All units of the Regular Army, Auxiliary, Territorial and Indian State Forces.

(a) The composition will be made up regimentally of the following ingredients:—

Section H-1.

Oil, lubricating, mineral, G. S.	pts.	3	Makes 8 lbs. of composition.
Paraffin, wax	lbs.	1½	
Mineral jelly, red	"	3	

Section B-3.

Jute	hank	1	

APPENDIX 16.

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 16.

(Referred to in paragraph 3[illegible]).

Detail of sets of unit artificers tools.

TABLE 1.—*Box, filled, R. F. artificers.*

Articles.		Number or quantity.	How packed.	Remarks.
Section F-1				
Boxes, R. F. artificers		1	.	
Aluminium, sheets, 4 in. × 10 in.—				
1/100 in., thick	sheet	1	Loose.	
1/64 in., thick	"	1	"	
Boxes, small, wooden—				
A.		6	"	
B		2	"	
C.		4	"	
D		10	"	
E.		2	"	
F		1	"	
G.		1	"	
Catgut, thin	hanks	2	"	
Coils, dial leg		6	B 1	
Collets, brass, for dial face		10	E. 1	
Cord, black silk	doz. yds.	0 6	Loose.	
Hands, electric dial—				
No. 2		2	B.	
No 3		2	B.	
Nuts—				
Hexagonal, No 8, B. A.	gross	0 4 2	D 4	
Round capstan—				
No 0, B A, [illegible] in., dia.	"	0 0 6	A. 5	
No. 0, B A, [illegible] in., dia.	"	0-0-6	A. 5	
No 2, B A, 0 40 in., dia.	"	0-0 1	C 3	
No 4, B A, [illegible] in., dia.	"	0 1-8	A 5	
[illegible] Whitworth, [illegible] in., dia	"	0 0 3	A 5	
[illegible] Whitworth, [illegible] in., dia.	"	0 0 3	A 5	
Pieces, brass end	doz.	1 8	A 5	
Pinions, for dial—				
10 leaves		10	D 2	
16 leaves		10	D. 2	
Screws—				
Brass, B A, capstan-headed—				
No 4, [illegible] in	gross	0 0 6	A. 6	
No 6, [illegible] in	"	0 0 6	A 6	
No 6, [illegible] in	"	0-1-8	E. 2	
No 8, [illegible] in	"	0 4 2	G. 1	
Brass, B A, cheese headed—				
No 0, [illegible] in	"	0 1-0	A.	
No 2, [illegible] in	"	0 1-0	A. 2	
No 4, [illegible] in., large head	"	0 4 2	A. 3	
No 4, [illegible] in., small head	"	0-4 2	A. 3	
No 6, [illegible] in., large head	"	0 4 2	A. 4	
No 6, [illegible] in., small head	"	0 4 2	A.	
No 8, [illegible] in., large head	"	0 4 2	D 8	
No 8, [illegible] in., small head	"	0 4 2	D. 4	
No 10, [illegible] in.	"	0-4 2	D. 5	

APPENDIX 16—*contd.*

TABLE 1—*contd.*

Articles.	Number or quantity.	How packed.	Remarks.
Section V-1—concld.			
Boxes, R. F artificers—*concld.*			
Screws—*contd.*			
Brass, B. A, countersunk-headed—			
No. 0, 1¼-in . . . . . gross	0-1-0	A 1	
No. 2, ¾ in. . . . . . ,,	0-1 0	A. 2	
No. 8, ⅜ in . . . . . . ,,	0-4 2	D. 6	
No 10, ⅜-in. . . . . . ,,	0-4-2	D 7	
Brass, round headed—			
1½ in, No 8 gauge . . . ,,	0-4 2	C. 2	
1¼-in., No. 8 gauge . . . ,,	0-4 2	C. 2	
Brass, Whitworth, capstan headed—			
3/16 *in* × 1⅜-*in.* . . . . . ,,	0 0 3	A 6	
Iron, B. A., cheese-headed—			
No. 4, ⅜ in. . . . . . . ,,	0-4-2	A 2	
No. 6, ⅜ in. . . . . . . ,,	0-4-2	A 4	
Iron, B. A, countersunk-headed—			
No. 8, ½-in. . . . . . ,,	0-4-2	D 8	
Steel, B. A, special shouldered—			
No. 8, 5/32 in . . . . . . ,,	0-1 0	D 8	
Silk thread, for dial hands, (wound on spool) yds	1	C 1	
Springs, square-gearing—			
Long	10	D 9	
Short	10	D 10	
Tubing, rubber, for interior of dials leads yds.	6	Loose	
Wheels—			
Large—			
48 teeth	6	C. 1	
88 teeth	10	F 1	
100 teeth	20	F 1	
Small—			
15-teeth	6	C 1	
50-teeth	20	D. 2	
Wire—			
Cotton covered, red and black, special, for dials . . . . . . yds.	6	C 3	
·012 in, dia, green, silk covered, wound on bobbin . yds	6	C 3	
·012 in, dia., red, silk covered, wound on bobbin . . . . yds	6	C. 3	
German silver—			
For hand springs, in 18 in, lengths .	6	C 1	
No 12 S. W G, in 6 in, lengths . .	6	C 4	
No. 18 S W G, in 6 in, lengths . .	6	C 4	
Steel—			
No 23, S W. G., in coils 6 in, long	6	C 4	
No 26, S. W G., in coils 6 in., long .	6	C 4	

APPENDIX 16—*contd.*

TABLE 2.—*Bag, tool, R. F. artificers, filled.*

Articles		Number or Quantity.	Remarks.
Section B-3.			
Burnishers—			
Flat		1	
Oval		1	
Triangular		1	
Screwdrivers, armourers, small		1	
Section F.			
Bags, tool, No. 3		1	
Blowpipes		1	
Brushes, plate		2	
Brushes, watchmakers		2	
Callipers, 5 in.—			
Inside	prs.	1	
Outside	"	1	
Cans, oil, lubricating, small		1	
Dividers, spring, 6-in.		1	
Drills—			
Stock, hand		1	
Twist (a)	set	1	(a) Comprising of No. 1-60 morse drills, 5 parallel shank drills (¼ in., $\frac{5}{32}$-in., $\frac{7}{16}$-in., $\frac{11}{32}$-in. and $\frac{3}{8}$-in.) and 1 stand.
Eye-glasses		1	
Files—			
Bastard, round, 6-in.	doz.	0·1	
Dead smooth, H. S. E., 4 in.	"	0·1	
Geneva, pivoting—			
Narrow	"	0·3	
Wide	"	0·3	
Second cut—			
Half round, 6-in.	"	0·1	
H. S. E.—			
6 in.	"	0·1	
8 in.	"	0·1	
Square, 8 in.	"	0·1	
Smooth—			
Flat, 6 in.	"	0·1	
Half round—			
4 in.	"	0·1	
6 in.	"	0·1	
H. S. E.—			
4 in.	"	0·2	
6 in.	"	0·1	

APPENDIX 16—*contd.*

TABLE 2—*contd.*

Articles		Number or Quantity.	Remarks
Section F—concld			
Files—*concld*			
Smooth—*concld.*			
Round—			
3 in.	doz.	0 1	
6 in.	„	0·1	
Square—			
4 in.	„	0 1	
6 in.	„	0·1	
Three-square, 4 in.	„	0 1	
Handles, small	„	0 2	
Hammers, engineers, ball pane, 8-oz		1	
Iron, soldering, straight, ½-lb		1	
Ladles, 4 in.		1	
Lamps, spirit, ½-pint		1	
Nippers, end cutting, 5-in.	pr.	1	
Oilstones, fine		1	
Pincers, carpenters	pr.	1	
Pliers—			
Flat nose	„	1	
Round nose, 6 in.	„	1	
Side-cutting, 7-in.	„	1	
Punches, centre, 4 in		1	
Rules, steel, 1-ft.		1	
Saws—			
Hack, 6 in		1	
Keyhole		1	
Scissors, 8 in.	pr.	1	
Screwdrivers—			
Cabinet—			
4-in.			
6 in.			
Instrument makers	set	1	
Spanners, adjustable, 11-in.		1	
Squares, fitters		1	
Tongs, watchmakers	pr.	1	
Tools—			
Electricians	set	1	For detail, see Table
Screw-cutting, B. A., thread, G. S.	„	1	
Watchmakers, drills	„	1	
Tweezers, watchmakers		1	
Vices—			
Hand, 4 in.		1	
Pin, large		1	

APPENDIX 16—*contd.*

TABLE 2—*concld.*

Articles.	Number or Quantity.	Remarks.
Section G-2.		
Solder—		
Silver . . . . ozs.	2	
Tinmans, soft . . . . lb.	1	
Section H-2.		
Skins, chamois, leather	1	
Section W 2.		
Compound, chatterton's . . . . lb	0·4	
Section Y.		
Pegwood . . . . bdl.	1	
Clothing Section No. 18.		
Knives, clasp	1	

APPENDIX 16—*contd.*

TABLE 3.—*Bag, tools, farriers, filled.*

Articles	Number or Quantity.	Remarks.
Section F		
Aprons, leather	1	
Bags, tool, No 2	1	
Buffers, farriers	1	
Hammers, farriers, shoeing	1	
Knives—		
Drawing, farriers	1	
Searching, farriers	1	
Pincers, farriers . pr.	1	
Pritchels	1	
Rasps, farriers, 14 in	1	
Stones, rag, farriers	1	

APPENDIX 16—*contd.*

TABLE 4.—*Chest, tool, filled, bricklayers and masons.*

Articles.	Number or Quantity.	Remarks.
Section F.		
Bars, setting, masons, 2-ft. 6½-in.	1	
Bevels, wood, 12-in.	1	
Bolsters, bricklayers	1	
Brushes, whitewash, Indian	1	
Chest, tool, empty, No. 2	1	
Chisel, cold, ¾-in.	1	
Compasses, wing, 7-in. . . . pr.	1	
Hammers, masons—		
Chisel point	1	
Mash	1	
Levels, spirit, rules	1	
Lines, bricklayers or carpenters . . doz.	0·1	
Pins, line . . . ps.	1	
Points, masons	2	
Rules—		
Box-wood, 4 fold	1	
Masons, plumb, 2-ft. 6-in.	1	
Squares, smiths	1	
Towels—		
Cross joint	1	
Float	1	
Tuck	1	
10-in	1	
12-in	1	
The undermentioned tools are not carried in the chest, and if required, will be separately demanded, charged and accounted for.		
Section F.		
Hods	2	
Levels, wood	1	
Sieves, masons	1	
Section J.		
Axes, pick, 4½-lb —		
Heads	1	
Helves	1	
Shovels, G. S.	1	

APPENDIX 16—*contd.*

TABLE 5.—*Chest, tool, filled, carpenters and wheelers and carpenters.*

Articles.		Carpenters and Wheelers.	Carpenters.	Remarks.
Section F.				
Adzes, carpenters, half head, 3½-in.—				
Head		1	1	
Handles		1	1	
Aprons, canvas		2	2	
Augers—				
½ in.		1	..	
⅝ in		1	..	
¾-in.		..	1	
⅞ in		1	..	
1-in.		1	1	
1 1/16-in.		1	..	
1¼-in.		1	1	
Handles—				
Large	doz.	0 1	0 1	
Small	„	0 2	0 1	
Awls—				
Blades, brad	„	1	0 3	Sizes to be stated in demands.
Handles, brad—				
Large	„	0 2	0 1	
Small	„	0 2	0 2	
Baskets, tool, carpenters		1	1	
Bevels, wood, 10½ in		1	..	
Braces, carpenters		1	1	
Bits (*a*)	set	1	1	
Brushes, sash tool, No. 6		1	..	
Callipers, 5 in.—				
Inside	pr	1	..	
Outside	„	1	.	
Cans, oil, lubricating—				
Small			1	
½ pint		1		
Chests, tool, empty—				
No 3		1	..	
No. 4			1	
Chisels—				
Coachmakers—				
¼ in.		1	.	
⅜ in		1	1	
½ in		1	..	
¾ in		1		
1 in		1		
1¼ in		1	1	
Cold, ¾ in		2	1	
Cross cut, ¾ in		2		
Compasses, wing, 7 in	pr	1	1	

(*a*) To be demanded in detail in accordance with the V. O. S. (D).

TABLE 5.—*contd.*

Articles.	Carpenters and Wheelers.	Carpenters.	Remarks.
Section F—contd.			
Drifts, steel—			
5/8-in.	1	..	
7/16-in.	1	..	
9/16-in.	1	..	
11/16-in.	1	..	
13/16-in.	1	..	
Files—			
Bastard—			
H. S. E., 14-in. . . . doz.	..	0 1	
Round—			
6-in. . . . "	0 1	..	
10-in. . . . "	0·1	..	
Regular cut—			
H S E. tanged, 14-in. . . . "	0 1	..	
Half round, 14 in . . . "	0·1	..	
Saw, taper, second cut, single—			
4-in. . . . "	0·4	0·3	
6-in. . . . "	0·4	0·3	
Handles—			
Large . . . "	0·1	..	
Small . . . "	0 3	0·3	
Gauges, carpenters—			
Marking	1	..	
Mortice	1	..	
Gimlets, twist No 4	1	1	
Gouges, firmer—			
½-in.	1	..	
¾-in.	1	..	
1-in.	1	..	
Hammers—			
Carpenters, Warrington pattern, 1-lb.	1	1	
Engineers, ballpane—			
8-oz	1	..	
1 lb	1	..	
2-lb	1	..	
Handles, No. 6	1		
Hatchets, hand, I P.	1	..	
Holders, file, with handle, half-round 14-in.	1	..	
Knives, drawing, 8 in.	1	1	
Lines, bricklayers or carpenters . . doz.	0 1	0 1	
Mallets, carpenters	1	1	
Oilstone—			
Medium	1	1	
Slips, Turkey	1	..	
Pencils, carpenters . . . doz.	0 6	0 6	
Pincers, carpenters . . . pr.	1	1	

APPENDIX 16—*contd.*

TABLE 5.—*concld.*

Articles.		Carpenters and Wheelers.	Carpenters.	Remarks.
Section F—concld.				
Planes—				
Jack		1	1	
Plough		1	..	
Rabbet		1	..	
Smoothing		1	.	
Pliers, side-cutting, 8-in.	pr.	1	..	
Cutters		2	..	
Pots, glue, 1-pint		1	..	
Punches—				
Centre, 5 in.		1	..	
Round, ¼-in.		1	1	
Rasps, carpenters, 12-in.		1	..	
Reels, carpenters, line		1	1	
Rules, boxwood, 4-fold		1	2	
Saws—				
Compass		1	..	
Hand, 26-in		1	1	
Tenon—				
9-in.		1	..	
14-in		1	1	
Screwdrivers—				
Cabinet, 6 in.		1	..	
London, 12 in.		1	1	
Scribers	doz	0 1	..	
Sets, saw, hand		1	1	
Spanners, adjustable, 15 in.		1	1	
Spokeshaves, 3 in.		1	1	
Squares, carpenters, 9 in		1	1	
Tongs, rivet	pr	1	..	
Section G-1.				
Padlocks, I. G., 2-in.		..	1	
Section H-1.				
Chalk, white	lb	0 4	0 4	
Section K.				
Cloths, sponge	doz.	0·4	..	
Books				
Handbook, military artificers		1		

APPENDIX 16—*contd.*

TABLE 6.—*Tools, screw cuttingbolt and nut, Mark III, Chest "A", "B", "C", "D" and "E", filled.*

Articles.	Number	Remarks.
Section F.		
Chest "A"—		
Empty	1	
Clip pieces	1	
Dies—		
1½-in. . . . sets	1	
1⅜-in. . . . "	1	
1¼-in. . . . "	1	
1⅛-in . . . "	1	
1-in . . . "	1	
Spanners, "A"	1	
Stocks, "A"	1	
Taps—		
1½-in.—		
Taper	1	
Second	1	
Plug	1	
1⅜-in.—		
Taper	1	
Second	1	
Plug	1	
1¼-in.—		
Taper	1	
Second	1	
Plug	1	
1⅛-in.—		
Taper	1	
Second	1	
Plug	1	
Wrenches, "A"	1	
Chest "B"—		
Empty	1	
Dies—		
1-in. . . . sets	1	
⅞-in. . . . "	1	
¾-in. . . . "	1	
⅝-in. . . . "	1	
½-in. . . . "	1	
Spanners, "B"	1	
Stocks, "B"	1	
Taps—		
1-in.—		
Taper	1	
Second	1	
Plug	1	

APPENDIX 16—*contd.*

TABLE 6—*contd.*

Articles	Number.	Remarks.
Section F—contd.		
Chest "B"—*concld.*		
Taps—*concld.*		
⅞-in.—		
Taper	1	
Second	1	
Plug	1	
¾ in.—		
Taper	1	
Second	1	
Plug	1	
⅝ in.—		
Taper	1	
Second	1	
Plug	1	
Wrenches, "B"	1	
Chest "C"—		
Empty	1	
Dies—		
½-in. . . . . . . sets	1	
7/16-in. . . . . . . "	1	
⅜-in . . . . "	1	
5/16-in . . . . "	1	
¼ in . . . . "	1	
Spanners, "C"	1	
Stocks, "C"	1	
Taps—		
½ in —		
Taper	1	
Second	1	
Plug	1	
7/16-in.—		
Taper	1	
Second	1	
Plug	1	
⅜ in —		
Taper	1	
Second	1	
Plug	1	
5/16-in —		
Taper	1	
Second	1	
Plug	1	
Wrenches, "C"	1	
Chest, "D"—		
Empty	1	
Dies—		
¼ in. . . . . sets	1	
3/16 in . . . . "	1	
5/32-in. . . . . "	1	

APPENDIX 16—*contd.*

TABLE 6—*contd.*

Articles.		Number.	Remarks.
Section F—contd.			
Chest "D"—*concld.*			
Dies—*concld.*			
3/16-in.	sets	1	
1/8-in.	"	1	
Holders, tap		1	
Plates, screw		1	
Spanners, "D"		1	
Stocks, "D"		1	
Taps—			
1/8-in.—			
Taper		1	
Second		1	
Plug		1	
5/32-in.—			
Taper		1	
Second		1	
Plug		1	
3/16-in.—			
Taper		1	
Second		1	
Plug		1	
7/32-in.—			
Taper		1	
Second		1	
Plug		1	
1/4-in.—			
Taper		1	
Second		1	
Plug		1	
9/32-in.—			
Taper		1	
Second		1	
Plug		1	
5/16-in.—			
Taper		1	
Second		1	
Plug		1	
Wrenches, "D"		1	
Chest "E"—			
Empty		1	
Cap pieces		1	
Dies—			
2-in.	sets	1	
1¾-in.	"	1	
1½-in.	"	1	
1¼-in.	"	1	
1⅛-in.	"	1	
Spanners, "E"		1	
Stocks, "E"		1	

APPENDIX 16—*contd.*

TABLE 6.—*concld.*

Articles.	Number.	Remarks.
Section F—concld.		
Chest "E"—*concld.*		
Taps—		
2-in —		
Taper	1	
Second	1	
Plug	1	
1⅞ in —		
Taper	1	
Second	1	
Plug	1	
1¾ in —		
Taper	1	
Second	1	
Plug	1	
1⅝-in —		
Taper	1	
Second	1	
Plug	1	
Wrenches, "E"	1	

APPENDIX 16—*contd.*

TABLE 7.—*Chest, tools, filled, coopers.*

Articles.	Number or Quantity.	Remarks.
Section F.		
Aprons, canvas	2	
Braces, carpenters	1	
Bits, auger, 1-in.	1	
Chests, tool, empty, No. 6	1	
Chisels, cold, ¾-in.	1	
Compasses, wing, 12-in. . . . prs.	1	
Files—		
Saw, taper, second cut, single, 6-in. . . doz.	02	
Handles, small	01	
Hammers, carpenters, Warrington pattern, 8-oz.	1	
Oilstones, medium	1	
Pincers, carpenters . . . prs.	1	
Rules, boxwood, 4-fold	1	
Saws, hand, 26-in.	1	
Tools, coopers—		
Adzes—		
Notching	1	
Rounding	1	
Trussing	1	
Axes	1	
Borers, bung	1	
Chives	1	
Drivers, socket, iron	1	
Hammers, hand	1	
Irons—		
Back open wood	1	
Chiming	1	
Flagging	1	
Jiggers	1	
Jointers, P. S.	1	
Knives, drawing	1	
Knives, hollowing	1	
Planes, topping	1	
Punches, small	1	
Shaves—		
Inside cask	1	
Outside cask	1	
Round	1	
Stocks, croze, barrel	1	
Stocks, croze, pail	1	
Vices, screw, iron	1	
Section L.		
Stones, rub scythe	1	Stones rag (Section F) will be issued until stock is exhausted.

APPENDIX 16—*contd.*

TABLE 8.—*Tools, electricians.*

Articles.	Number or Quantity.	Remarks.
Section F.		
Bottles, oil	1	
Brushes, watchmakers	1	
Cases, tool, empty, telegraph instrument	1	
Cleaners, contact	1	
Files, smooth—		
Half round, 4 in. . . . doz.	0·1	
Round, 4-in. . . . „	0·1	
Files, cases, boxwood	1	
Files, handles, screw clamp	1	
Gimlets, spike, ¼-in.	1	
Hammers, carpenters, Warrington pattern, 4-oz	1	
Holdalls, electricians	1	
Pins, adjusting—		
2½-in —		
Fine	1	
Stout	1	
4 in.	1	
Pliers—		
Round nose, 4-in. . . . prs	1	
Side cutting, 5-in. . . . „	1	
Screwdrivers—		
Double ended—		
Large	1	
Medium	1	
Small	1	
Electricians—		
2½-in	1	
3-in.	1	
Spanners—		
Telegraph	1	
Telephone	1	
Tweezers—		
Large . . . prs.	1	
Small . . . „	1	

APPENDIX 16—*contd.*

TABLE 9.—*Chest, tool, filled, farriers and shoeing smiths.*

Articles.		Number or Quantity.	Remarks.
Section F.			
Aprons, leather		1	
Bags, tool, No. 2		1	
Buffers, farriers		1	
Chests, tool, empty, No. 7		1	
Chisels, farriers, handled		1	
Cutters, anvil—			
Flat, large shank		1	
Half round, small shank		2	
Fullers, ¾-in.—			
Bottom, small shank		1	
Top		1	
Hammers, farriers—			
Shoeing		1	
Sledge		1	
Turning		1	
Knives—			
Drawing, farriers		2	
Searching		1	
Pincers, farriers		1	
Pritchels		3	
Rasps, farriers, 14-in.	prs.	2	
Slices		1	
Stamps, farriers		2	
Stones, rag, farriers		1	
Tongs, farriers—			
Fire		1	
Turning—			
Large	prs.	1	
Medium	"	1	
Small	"	1	

APPENDIX 16—*contd.*

TABLE 10.—*Chest, tool, filled, armament artificers, Garrison Artillery.*

Articles.		Number or Quantity.	Remarks.
Section F.			
Aprons, canvas		2	
Blocks, scribing		1	
Braces—			
Ratchet—			
10-in. (*a*)		1	
Post, 16-in.		1	
Smiths		1	
Callipers—			
4-in.—			
Inside	prs.	1	
Outside	„	1	
5 in.—			
Inside	„	1	
Outside	„	1	
8 in., outside	„	1	
Cans, oil, lubricating, ½-pint		1	
Chests, tool, empty, No. 3		1	
Chisels—			
Cold, ¾-in		4	
Crosscut—			
¼-in.		3	
⅜-in.		1	
Compasses, wing, 10-in.	prs.	1	
Dividers, spring, 6-in.		1	
Drifts—			
Brass—			
¾-in.		1	
1-in.		1	
Steel—			
¾-in		1	
⅞-in.		1	
1-in		1	
Drills—			
Stock—			
Breast		1	
Hand		1	
Twist—			
Morse (Nos. 1-60)		1	
Stand		1	
No. 2, square, taper shank (*a*)—			
⅛ in.		1	
3/16 in.		1	
¼-in		1	
5/16-in		1	
⅜-in.		1	
7/16-in.		1	
½ in.		1	

(*a*) Braces, ratchet, 18" and old pattern drills will be used until stock is exhausted.

TABLE 10—*contd.*

Articles.	Number or Quantity.	Remarks.
Section F—contd.		
Drills—contd.		
Twist—contd.		
No. 2, square, taper shank—*contd.*		
11/16-in.	1	
¾-in.	1	
⅞-in.	1	
1-in.	1	
1⅛-in.	1	
Parallel shank—		
¼-in.	1	
9/32-in.	1	
5/16-in.	1	
11/32-in.	1	
⅜-in.	1	
Files—		
Bastard—		
Flat, 6-in. . . . . . . doz.	0·3	
Half round—		
6-in. . . . . „	0·2	
8-in. . . . . „	0·1	
10-in. . . . . „	0·1	
12-in. . . . . „	0·1	
16-in. . . . . „	0·1	
H. S. E., 14-in. . . . . . . „	0·2	
Round—		
6-in. . . . . „	0·2	
8-in. . . . . „	0·2	
10-in. . . . . „	0·2	
12-in. . . . . „	0·2	
14-in. . . . . „	0·2	
16-in. . . . . „	0·1	
Square—		
8-in. . . . . „	0·2	
12-in. . . . . „	0·2	
Dead smooth, H. S. E., 4-in. . . . „	0·1	
Fine cut, H. S. E., tanged, 12-in. . . „	0·2	
Regular cut—		
Half round, 14-in. . . . . . „	0·1	
H. S. E., tanged, 14-in. . . . . „	0·2	
Saw, taper, second cut, single—		
3-in. . . . . „	0·2	
4-in. . . . . „	0·2	
6-in. . . . . „	0·2	

APPENDIX 16—*contd.*

TABLE 10—contd.

Articles.		Number or Quantity.	Remarks
Section F—contd.			
Files—*concld.*			
Second cut—			
Half round—			
8 in	doz	0·1	
12-in.	"	0·1	
H. S. E.—			
4 in.	"	0·1	
6 in	"	0·1	
8-in.	"	0·2	
12-in.	"	0·1	
Warding cut—			
On one side, 3 in.	"	0·2	
On both sides, 4-in.	"	0·2	
Smooth—			
Flat—			
6 in	"	0·1	
10 in	"	0·1	
12-in.	"	0·1	
Half round—			
4 in	"	0·1	
6-in	"	0·2	
8-in.	"	0·2	
12 in	"	0·1	
Handles—			
Large	"	0·5	
Small	"	0·9	
Flatters		1	
Fullers, ¾ in.—			
Bottom, large shank		1	
Top		1	
Hammers—			
Boilermakers, ball pane—			
2½-lb		1	
3½ lb		1	
Copper		1	
Engineers, ball pane—			
8-oz.		1	
1-lb., 8-oz.		1	
Holders, file, with handle, half round—			
8 in.		1	
10-in.		1	
14-in.		1	
Irons, soldering, straight, 2½ lb.		1	
Levels, spirit, adjustable		1	
Oilstones, medium		1	
Plates, screw, B. A., thread	set	1	

APPENDIX 16—*contd.*

TABLE 10—contd.

Articles.	Number or Quantity.	Remarks.
Section F—concld.		
Pliers—		
Round nose, 6-in. . . . . . prs.	1	
Side—		
Cutting, 8-in. . . . . . „	1	
Cutters	2	
Punches—		
Centre, 5-in.	2	
Round—		
¼-in.	2	
½-in.	1	
Rules—		
Brass	1	
Steel, 2 ft.	1	
Saws—		
Hack, 12-in.	1	
Blades	6	
Screwdrivers, London, 14-in.	1	
Scribers	1	
Sets, side-cutting	1	
Snaps—		
¼-in.	1	
5/16-in.	1	
⅜-in.	1	
7/16-in.	1	
Spanners—		
Adjustable, 15-in.	1	
Double ended—		
⅜-in. and ½-in.	1	
⅝-in. and ¾-in.	1	
⅞-in. and 1-in.	1	
Squares—		
Box	1	
Fitters, 4-in.	1	
Smiths	1	
Straightedges, 2-ft.	1	
Tongs, rivet . . . . . . prs.	1	
Vices, hand—		
Combination	1	
5-in.	1	
Wrenches, pipe, flat, link, medium . . .	1	
Section H-1.		
Cloth, emery, No. F . . . . . qrs.	0·6	

APPENDIX 16—*contd.*

TABLE 10—concld.

Articles	Number or Quantity.	Remarks.
Section II-2.		
Cloths, sponge . . . . . . doz.	0 6	
Section V-1.		
Cases, large, clinometer	1	
Clinometers, large	1	
Books.		
Handbooks, military artificers . . .	1	

APPENDIX 16—*contd.*

TABLE 11.—*Chest, tool, filled, painters and glaziers.*

Articles.	Number or Quantity.	Remarks.
Section F.		
Aprons, canvas	2	
Brushes—		
Dusting	2	
Paint, oval	4	
Sash-tool—		
No 2	2	
No. 8	1	
Writing—		
Crow . . . doz.	0·3	
Duck . . . "	0·3	
Cans, paint—		
Large	1	
Small	1	
Chests, tool, empty, No 13	1	
Diamonds, glaziers	1	
Cases	1	
Hammers, carpenters, Warrington pattern, 8-oz	1	
Knives—		
Chisel	1	
Hacking	1	
Palette, 9-in.	1	
Putty	1	
Stopping	1	
Pliers, flat nose . . . prs	1	
Pots, writing	1	
Rules, boxwood, T.	1	
The undermentioned does not form part of the chest, but when required may be demanded and accounted for separately.		
Section F.		
Lamps brazing, 2 pints	1	

APPENDIX 16—*contd.*

TABLE 12.—*Chest, tool, filled, plumbers.*

Articles.		Number or Quantity.	Remarks
Section F.			
Aprons, canvas		2	
Blowpipes		1	
Bosses, plumbers		1	
Chests, tool, empty, No 12		1	
Compasses, wing, 7-in.	prs	1	
Dressers, plumbers		1	
[illegible]		1	
[illegible]		1	
[illegible]			
[illegible]		1	
Plumbers		1	
Straight, 2½-lb		1	
Knives, cutting		1	
Ladles, 4 in.		1	
Mallets—			
Boxwood		1	
Plumbers		1	
Moleskin	yds	½	
Pliers—			
Gas, 7 in	prs	1	
Round nose, 6 in	,,	1	
Pots—			
Fire		1	
Melting, 7 in		1	
Punches, round		2	Sizes as required.
Sets, cold, with eye		1	
Snaps, tinmans		1	
Stakes, hatchet, small		1	
Sticks, bossing		1	
Tools, grooving—			
⅜ in.		1	or ½ in.
⅝ in.		1	
Wrenches, pipe—			
9-in.		1	
Chain, small		1	

APPENDIX 16—*contd.*

Table 13.—*Tools, moulders.*

Articles.	Number per set.	Remarks.
Section F.		
Bellows, moulders, hand, 11-in.	1	
Brushes, foundry wire—		
Oblong—		
7½-in	1	
12½-in.	1	
Round, 11½-in.	1	
Chests, tool, empty, No. 4	1	
Cleaners—		
Flange	1	
Large	1	
Small	1	
Riddles, foundry, 12-in. dia.—		
¼-in mesh	1	
⅛-in. „	1	
⅛-in „	1	
Scoops, double-ended	1	
Smoothers—		
Corner egg	1	
Corner flange	1	
Corner round	1	
Corner square	1	
Oval pipe, square.	1	
Tools—		
Boss	1	
Heart and square	1	
Girder	1	
Circular bead	1	
Trowels—		
Heart, long	1	
Square	1	

APPENDIX 16—*contd.*

TABLE 14.—*Chest, tool, filled, No. 5 (or pannier, tool, saddlers, filled).*

Articles.	Number or Quantity.	Remarks.
Section F.		
Aprons, canvas	1	
Awls—		
Blades—		
Buckling . . . doz	0·3	
Drawing . . . "	0·2	
Garnishing . . . "	0·2	
Harness—		
2 in. . . . "	0·3	
2¼-in. . . . "	0·4	
2½ in. . . . "	0·4	
3 in. . . . "	0·3	
Panel . . . "	0·2	
Handles—		
Brad, small . . . "	0·4	
Harness . . . "	0·4	Sizes as required.
Bones, rubbing	1	
Chests, tool, empty, No. 5	1	
Chisels, cold, ¾-in.	1	
Clams, saddlers . . . pr.	1	
Claws, nail	1	
Compasses, wing, 7-in. . . . pr.	1	
Creases—		
Double	1	
Single	1	
Gimlets, twist, No. 4	1	
Hammers—		
Carpenters, Warrington pattern, 8-oz.	1	
Saddlers	1	
Holdalls, saddlers, canvas	1	
Irons—		
Collar plugging	1	N. I. V
Pricking—		
5 stitch	1	
7-stitch	1	
12-stitch	1	
Knives—		
Gauge	1	
Half-round	1	
Head	1	
Trimming	1	
Leads, punching, saddlers, 4-lb . . . pieces	1	
Mallets, boxwood	1	
Marline spikes, 9-in.	1	
Needles—		
Collar, half moon—		
4½-in	1	
5½ in.	1	
6½ in.	1	
Darning, 4 in.	6	
Harness (sizes 1 to 6)	75	

APPENDIX 16—*contd.*

TABLE 14.—*contd.*

Articles.	Number or Quantity.	Remarks.
Section F—concld.		
Needles—*contd.*		
Saddlers—		
Sewing (sizes 1 to 5)	50	
Stitching	25	
Palms, saddlers	1	
Pincers, saddlers . . . prs	1	
Pliers, flat nose . . . "	1	
Punches—		
Leather, oval—		
No. 20	2	
No. 21	2	
No. 22	2	
No. 23	2	
No. 24	1	
No. 28	1	
No. 30	1	
Spring, 11-in.	1	
Rasps, shoemakers	1	
Rules, boxwood, 4-fold	1	
Scissors, 9½-in. . . . prs.	1	
Screwdrivers, cabinet, 6-in.	1	
Shaves, saddlers	1	
Sticks, stuffing	1	
Thimbles, tailors	2	
Tools, edge—		
No. 2	1	
No. 3	1	
Section L.		
Stones, rub, scythe . . . doz.	0·1	

APPENDIX 16—*contd.*

TABLE 15.—*Holdall, tool, Saddlers, filled.*

Articles.	Number or Quantity.	Remarks
Section F.		
Awls—		
Blades—		
Drawing . . . . . doz	0·2	
Garnishing . . . . . . ,,	0·2	
Harness—		
2 in . . . . . . ,,	0·2	
2¼ in. . . . . . . ,,	0·2	
2½-in. . . . . . . ,,	0·2	
3 in . . . . . . ,,	0·1	
Panel . . . . . . ,,	0·2	
Handles—		
Brad, small . . . . ,,	0·1	
Harness . . . . . . ,,	0·3	Sizes as required
Clams, saddlers . . . . prs	1	
Claws, nail	1	
Compasses, wing, 7 in . . prs	1	
Hammers, carpenters, Warrington pattern, 8-oz	1	
Holdall, saddlers, canvas	1	
Knives—		
Half-round	1	
Trimming	1	
Marline spikes, 9 in . .	1	
Needles—		
Collar, half moon—		
4½ in	1	
5½ in	1	
6½ in	1	
Harness	25	
Saddlers, sewing . . .	25	
Palms, saddlers	1	
Pliers, flat nose . . . prs	1	
Punches, spring, 11 in . .	1	
Rules, boxwood, 4 fold . .	1	
Scissors, 9½ in. . prs	1	
Shaves, saddlers . . .	1	
Thimbles tailors . . .	1	
Section L		
Stones, rub, scythe . .	1	

APPENDIX 16—*contd.*

TABLE 16.—*Chest, tool, filled, Saddletreemakers.*

Articles.		Number or Quantity.	Remarks.
Section F.			
Braces—			
Carpenters		1	
Bits—			
Countersink—			
Flat		1	
Rose		1	
Gouge—			
¼-in.		1	
$\frac{5}{16}$-in.		1	
⅜-in.		1	
Rimer		1	
Brushes—			
Lacquer, 2-in.		1	
Sash tool, No. 6		1	
Chests, tool, empty, No. 4		1	
Chisels—			
Cold, ¾-in.		1	
Firmer—			
⅝-in.		1	
¾-in.		1	
1 in.		1	
Compasses, wing, 7-in.	prs.	1	
Files—			
Regular cut—			
Half-round, 14-in.	doz.	0·1	
Saw, taper, second cut, single, 4-in.	,,	0·1	
Handles, small	,,	0·1	
Hammers—			
Carpenters, Warrington pattern, 1-lb.		1	
Saddle seat		1	
Holders, file, and handle, half round, 14-in.		1	
Holdfasts		1	
Mallets, carpenters		1	
Oilstones, medium		1	
Pencils, carpenters	doz.	0·3	
Planes, smoothing		1	
Pots, glue, 1-pint		1	
Punches, round, ¼-in.		1	
Rules, brass		1	
Saws—			
Frame		1	
Tenon, 9 in.		1	
Scrapers, cabinet makers		1	N. I. V.
Screwdrivers, cabinet, 6-in.		1	
Spokeshaves, 3-in.		1	
Squares, carpenters, 6-in.		1	
Vices, parallel cast, 4½-in.		1	

APPENDIX 16—*contd.*

TABLE 17.—*Pouches, lineman, filled.*

Articles.	Number or Quantity.	Remarks.
Section F.		
Cases, tool, empty telegraph instrument	1	
Cleaners, contact	1 (*a*)	
Nippers, side-cutting, 5½-in. . . . prs.	1	
Pins, adjusting—		
2½-in —		
Fine	1 (*a*)	
Stout	1 (*a*)	
4 in.	1 (*a*)	
Pliers, side-cutting, 5-in. . . . prs	1	
Pouches, tool, lineman, empty	1	
Scissors, 5-in. . . . prs.	1	
Screwdrivers, electricians—		
2½-in.	1	
3-in	1	
Tweezers, small . . . prs.	1 (*a*)	

(*a*) Kept in "Case, tool, empty telegraph instrument."

APPENDIX 16—*contd.*

Table 18.—*Tools, screw cutting, B. A. thread, G. S.*

Articles.	Number.	Remarks.
Section F.		
Tools, screw cutting, B. A. thread, G. S.—		
Cases	1	
Dies—		
No. 0	1	
No. 2	1	
No. 4	1	
No. 6	1	
No. 8	1	
No. 10	1	
Guides—		
No. 0	1	
No. 2	1	
No. 4	1	
No. 6	1	
No. 8	1	
No. 10	1	
Plates, gauge—		
Full thread	1	
Screwing size	1	
Screwdrivers	1	
Stocks	2	
Taps, plug—		
No. 0	1	
No. 2	1	
No. 4	1	
No 6	1	
No 8	1	
No. 10	1	
Taps, taper—		
No 0	1	
No. 2	1	
No. 4	1	
No 6	1	
No. 8	1	
No. 10	1	
Wrenches—		
Large	1	
Small	1	

APPENDIX 16—*contd.*

TABLE 19.—*Tools, screw cutting, bolt and nut, R. A., field chest, filled*

Articles.	Number.	Remarks.
Section F.		
Tools, screw cutting, bolt and nut, R. A. field—		
Cans, oil, lubricating, small	1	
Chests, empty	1	
Plates, screw—		
Large	1	
Small	1	
Wrenches—		
Large	1	
Small	1	
Tools, screw cutting—		
Bolt and nut, Mark III—		
Taps—		
¼-in.—		
Taper	1	
Second	1	
Plug	1	
⅜ in—		
Taper	1	
Second	1	
Plug	1	
½-in—		
Taper	1	
Second	1	
Plug	1	
⅝ in—		
Taper	1	
Second	1	
Plug	1	

APPENDIX 16—*contd.*

TABLE 20.—*Chest, tool, filled, smiths.*

Articles.		Number or Quantity.	Remarks.
Section F.			
Aprons, leather		4	
Braces—			
Ratchet—			
10-in.		1	
Posts, 16-in.		1	
Smiths.		1	
Bits—			
Countersink rose		1	
Rimer—			
Half-round		1	
Square		1	
Callipers—			
5-in.—			
Inside	prs.	1	
Outside	,,	1	
10-in., outside	,,	1	
Cans, oil, lubricating, ½-pint		1	
Chests, tool, empty, No. 11		1	
Chisels—			
Cold—			
¾-in.		1	
⅞-in.		1	
Crosscut, ½-in.		1	
Engraving		1	
Compasses, wing, 10-in	prs.	1	
Cutters, anvil, flat, small shank		1	
Drills, twist, No 2 square taper shank—			
¼-in.		1	
5/16-in.		1	
⅜-in.		1	
7/16 in.		1	
½ in.		1	
9/16-in.		1	
⅝ in.		1	
11/16-in.		1	
¾ in.		1	
13/16-in.		1	
⅞-in.		1	
Files—			
Bastard—			
Flat, 6-in	doz.	0·1	
Half round, 10-in.	,,	0·1	
Round—			
8 in.	,,	0·1	
10 in.	,,	0·1	
Regular cut—			
Half round, 14 in.	,,	0·1	
Hand, safe edge, tanged, 14-in	,,	0·2	

APPENDIX 16—*contd.*

TABLE 20—*contd.*

Articles.	Number or Quantity.	Remarks.
Section F—contd.		
Files—contd		
Second cut—		
Half round, 8-in . . . . . doz.	0.1	
H. S. L.—		
6-in. . . . . . . "	0.1	
12-in . . . . . . "	0.2	
Handles—		
Large . . . . "	0.1	
Small . . . . "	0.3	
Flatters	1	
Fullers, ¾-in —		
Bottom, small shank	1	
Top	1	
Hammers—		
Engineers, ballpane—		
8-oz	1	
1-lb 8-oz	1	
2 lb . . .	1	
Sledge, straight pane—		
7-lb	1	
10 lb	1	
Holders, file, with handle, half round—		
8-in	1	
10 in	1	
14 in.	1	
Plates, screw, B. A., thread . . . . sets	1	
Pliers, side-cutting, 8-in . . prs	1	
Cutters	2	
Punches—		
Centre, 5 in	1	
Round—		
$\frac{1}{16}$-in	1	
¼-in	1	
Smiths—		
⅜-in	1	
¼ in.	1	
Rods, smiths, iron .	4	
Rules—		
Brass . .	1	
Steel, 1-ft. . . .	1	
Saws—		
Hack, 12 in . .	1	
Blades . .	6	
Screwdrivers—		
Cabinet, 6 in .	1	
London, 12 in	1	
Scribers . doz	0.1	

APPENDIX 16—*contd.*

TABLE 20—*concld.*

Articles.	Number or Quantity.	REMARKS.
Section F—concld.		
Sets—		
Cold, with eye	1	
Hot, with eye, light	1	
Side-cutting	1	
Slices	1	
Snaps—		
⅜-in.	1	
½-in.	1	
⅝-in.	1	
⅞-in.	1	
$\frac{7}{16}$-in.	1	
Spanners, adjustable, 15-in.	1	
Squares—		
Box	1	
Fitters	1	
Smiths	1	
Swages—		
Bottom, large shank	1	
Top, with eye	1	
Tongs, smiths—		
Flat	1	
Large . . . prs.	1	
Hollow bit . . . "	1	
Pliers . . . "	1	
Tools, forming	1	
Vices—		
Bench, 3½-in., jaws	1	
Hand, 5-in	1	
Wheels, travelling	1	
Section H.2.		
Cloths, sponge . . . doz.	0·4	
Section L.		
Stones, rub, scythe	2	
Books.		
Handbook, military artificers	1	

APPENDIX 16—*contd.*

TABLE 21.—*Tools, telegraph mechanics.*

Articles.		Number per set.	Remarks.
Section B-3			
Burnishers—			
Flat		1	
Oval		1	
Triangular		1	
Cans, oil, lubricating, armourers		2	
Card, scratch, armourers	ft.	2	
Section F.			
Anvils, 11-lb.		1	
Awls—			
Blades, brad	doz	1·0	Sizes as required.
Handles, brad—			
Large	"	0·3	
Small	"	0·3	
Bellows, braziers, small		1	
Blocks, scribing		1	
Blowpipes		2	
Braces, carpenters		1	
Bits (a)	set	1	
Broaches	"	1 (a)	
Handles		6	
Brushes—			
Lacquer—			
½-in		2	
1 in		2	
1½ in.		2	
Plate		4	
Sash tool, No 6		3	
Watchmakers		6	
Callipers—			
4-in., inside	prs	2	
5 in—			
Inside	"	1	
Outside	"	1	
10 in., outside	"	2	
Cans, oil, lubricating, small		1	
Chasers, B S W—			
14 threads per inch—			
Inside		1	
Outside		1	
16 threads per inch—			
Inside		1	
Outside		1	
17 threads per inch—			
Inside		1	
Outside		1	
18 threads per inch—			
Inside		1	
Outside		1	

(a) To be demanded in detail in accordance with the V. O. S. (I).

APPENDIX 16—*contd.*

TABLE 21—*contd.*

Articles.	Number per set.	Remarks.
Section F—contd.		
Chasers, B. S. W.—*contd.*		
19 threads per inch—		
Inside	1	
Outside	1	
20 threads per inch—		
Inside	1	
Outside	1	
24 threads per inch—		
Inside	1	
Outside	1	
28 threads per inch—		
Inside	1	
Outside	1	
36 threads per inch—		
Inside	1	
Outside	1	
40 threads per inch—		
Inside	1	
Outside	1	
Chests, tool, empty, telegraph mechanics	1	
Chisels—		
Cold—		
½ in	2	
¾-in	1	
Cross cut, ⅜ in	2	
Turned—		
⅝-in	1	
1-in	1	
1¼-in	1	
Clams, vice, wood . . . prs.	2	
Dividers, spring, 6-in.	2	
Drills—		
Stock, hand	1	
Twist (a) . . . set	1	
Eye-glasses	2	
Files—		
Bastard—		
Half round—		
6-in . . . doz.	0·5	
10 in . . . "	0·2	
H S E—		
4 in . . . "	0·2	
6-in. . . . "	0·3	
Round—		
6-in. . . . "	0·6	
8-in. . . . "	0·3	
Square, 8-in. . . . "	0·5	

(a) Comprising of Nos 1-60 Morse drills, 5 parallel shank drills (½-in., 17/32-in., 9/16-in., 19/32-in. and ⅝-in.) and 1 stand.

APPENDIX 16—*contd.*

TABLE 21—*contd.*

Articles.	Number per set.	Remarks.
Section F—contd.		
Files—		
Dead smooth—		
Half round, 6 in. . . . . . doz	0·2	
H S E.—		
4 in . . . . ,,	0·3	
6-in. . . . . ,,	0·3	
Geneva—		
Cylinder notch . . . . . ,,	1·0	
Dove-tail . . . . ,,	1·0	
Ratchet . . . . ,,	1·0	
Round . . . . ,,	1·0	
Square . . . . . . ,,	1·0	
Three square . . . . . . ,,	1·0	
Pivoting—		
Narrow . . . . . . ,,	0·9	
Wide . . . . ,,	0·9	
Saw, taper, second cut, single—		
4 in . . . . . ,,	0·6	
6-in . . . . ,,	0·3	
Screw head . . . . ,,	1·0	
Second cut—		
Half round—		
4 in. . . . . ,,	0·2	
6 in. . . . . ,,	0·3	
8 in. . . . . ,,	0·3	
H. S E—		
4 in . . . . . . ,,	0·4	
6 in . . . . ,,	0·6	
8 in . . . . ,,	0·9	
12 in. . . . . ,,	0·6	
Square—		
4 in . . . . . . ,,	0·4	
6 in . . . . ,,	0·4	
8 in . . . . ,,	0·4	
Warding cut on—		
One side . . . . ,,	0·6	
Both sides, 4 in. . . ,,	0·9	
Smooth—		
Flat—		
6 in . . . . ,,	0·6	
8 in . . . ,,	0·3	
Half round—		
4 in . . . . ,,	0·2	
6 in. . . . . . . ,,	0·3	
8 in . . . . ,,	0·3	
H S. E.—		
4 in . . . . ,,	0·4	
8 in . . . . ,,	1·0	
Round—		
4 in. . . . . . ,,	0·3	
6 in . . . . . ,,	0·3	
8 in . . . . ,,	0·3	

APPENDIX 16—*contd.*

TABLE 21—*contd.*

Articles.		Number per set.	Remarks.
Section F—contd			
Files—*concld.*			
Smooth—*concld.*			
Square—			
4-in.	doz.	0·2	
6-in.	,,	0·3	
8-in.	,,	0·3	
Three-square—			
4-in.	,,	0·6	
8-in.	,,	0·3	
Handles, small	,,	2·0	
Gauges, wire		1	
Gimlets, twist, No. 4		6	
Grinders, hand, small		1	
Hammers—			
Carpenters, Warrington pattern—			
4-oz		1	
1-lb.		1	
Engineers, ballpane, 1-lb		1	
Watchmakers		2	
Handles, graver	doz.	1·0	
Holders, file, with handle half round—			
8-in		1	
10 in		1	
Irons, soldering, straight—			
½-lb		1	
1½-lb.		1	
Ladles, 4 in		1	
Lamps, spirit—			
Blowpipe		1	
½-pint		1	
Lathes—			
Engineers, tools, hand, wood turning Gouges, ⅜-in		1	
Sliding, surfacing and screw cutting, 3½-in		1	
Cases, transport		1	
Throw		1	
Mallets, boxwood		1	
Micrometers, outside, 0 to 1-in.		1	
Nippers, end cutting, 5-in.	prs.	2	
Oilstones—			
Fine		1	
Slip, medium		2	
Plates, surface, 10 in		1	
Pliers—			
Flat nose	prs	2	
Gas, 7 in.		1	
Round nose, 6-in.	,,	2	
Side-cutting, 7-in.	,,	2	
Watchmakers—			
4 in.	,,	2	
5 in.	,,	2	

APPENDIX 16—*contd.*

TABLE 21—*contd.*

Articles.		Number per set.	Remarks.
Section F—contd.			
Pots—			
Fire		1	
Glue, 1-pint		1	
Punches, centre, 4-in.		1	
Rasps, carpenters		6	
Rules—			
Boxwood, 4-fold		1	
Steel—			
6-in		1	
1 ft.		2	
Saws—			
Hack—			
6-in		1	
Blades		12	
12-in		1	
Blades		12	
Tenon, 9-in		1	
Scissors, 9½-in.	pr.	1	
Screwdrivers—			
Cabinet—			
4 in		1	
6-in		1	
London, 12 in.		1	
Electricians—			
2½ in.		2	
3 in		2	
Scribers	doz.	0 2	
Shears, tinmans, snip, straight	pr.	1	
Spanners, adjustable, 11-in.		1	
Squares, fitters		1	
Tongs, watchmakers	pr.	1	
Tools—			
Knurling, hand		2	
Screwcutting—			
B. A., thread, G. S. (*a*)	set	1	
Taps, plug—			
No. 0		2	
No. 2		2	
No. 4		2	
No. 6		6	
No. 8		6	
No. 10		6	
Taps, taper—			
No. 0		2	
No. 2		2	
No. 4		2	
No. 6		6	
No. 8		6	
No. 10		6	

(*a*) When unserviceable tools S. C., B. S. F. sets, No. 1 will be demanded

APPENDIX 16—*contd.*

Table 21—*contd.*

Articles.		Number per set.	Remarks.
Section F—contd			
Files—*concld.*			
Smooth—*concld*			
Square—			
4-in.	doz.	0·2	
6-in	,,	0·3	
8-in.	,,	0·3	
Three-square—			
4-in	,,	0·6	
8-in.	,,	0·3	
Handles, small	,,	2·0	
Gauges, wire		1	
Gimlets, twist, No 4		6	
Grinders, hand, small		1	
Hammers—			
Carpenters, Warrington pattern—			
4-oz.		1	
1-lb.		1	
Engineers, ballpane, 1-lb.		1	
Watchmakers		2	
Handles, graver	doz	1·0	
Holders, file, with handle half round—			
8 in		1	
10-in.		1	
Irons, soldering, straight—			
½-lb		1	
1½ lb.		1	
Ladles, 4-in		1	
Lamps, spirit—			
Blowpipe		1	
½-pint		1	
Lathes—			
Engineers, tools, hand, wood turning Gouges, ⅝-in		1	
Sliding, surfacing and screw cutting, 3½-in.		1	
Cases, transport		1	
Throw		1	
Mallets, boxwood		1	
Micrometers, outside, 0 to 1-in.		1	
Nippers, end cutting, 5-in	prs.	2	
Oilstones—			
Fine		1	
Slip, medium		2	
Plates, surface, 10-in		1	
Pliers—			
Flat nose	prs	2	
Gas, 7 in.	,,	1	
Round nose, 6 in.	,,	2	
Side-cutting, 7-in	,,	2	
Watchmakers—			
4 in.	,,	2	
5 in.	,,	2	

TABLE 22.—*Cases, telegraph instrument repairers (filled).*

Articles.		No.	How carried.	Remarks.
Section B-3.				
Bottles, oil		1	(*a*)	
Burnishers, flat		1	(*a*)	
Section F.				
Brushes, watchmakers		1	(*a*)	
Cases, tool, empty—				
Instrument repairers		1	..	
Telegraph, instruments		1	(*a*)	
Cleaners, contact		1	(*c*)	
Files—				
Geneva—				
Cylinder, notch		1	(*d*)	
Dovetail		1	(*d*)	
Ratchet		1	(*d*)	
Round		1	(*d*)	
Square		1	(*d*)	
Three square		1	(*d*)	
Second cut, flat, 6-in		1	(*b*)	
Smooth—				
Flat, 8 in		1	(*b*)	
Half round, 4 in		1	(*d*)	
Round, 4 in		1	(*d*)	
Three square, 4 in		1	(*d*)	
Cases, boxwood		1	(*a*)	
Handles, screw clamp		1	(*a*)	
Gimlets, spike, ¼-in		1	(*a*)	
Hammers, carpenters, Warrington pattern, 4 oz.		1	(*a*)	
Holdalls, electricians		1	(*b*)	
Irons, soldering, straight, ¼-lb		1	(*b*)	
Nippers, side-cutting, 5½ in.	pr.	1	(*a*)	
Pins, adjusting—				
2½ in.—				
Fine		2	(*c*)	
Stout		2	(*c*)	
4 in		1	(*c*)	
Pliers—				
Side cutting	pr	1	(*a*)	
Watchmakers—				
4 in	"	1	(*b*)	
5 in	"	1	(*a*)	
Rules, steel, 1-ft		1	(*a*)	
Saws, keyhole		1	(*b*)	
Scissors, 5 in	pr	1	(*a*)	
Screwdrivers, electricians—				
2½ in		1	(*a*)	
3 in		1	(*b*)	

TABLE 21—*concld.*

Articles.		Number per set.	Remarks.
Section F—concld.			
Tools—*concld.*			
Screwcutting—*concld.*			
B. A., set No. 1		1	
Taps, plug—			
No 12		6	
No. 14		6	
No. 16		6	
Taps, taper—			
No 12		6	
No 14		6	
No 16		6	
Bolt and nut, Mark III—			
Chest "C", $\frac{1}{4}$-in to $\frac{5}{16}$-in., filled		1	
Tweezers—			
Large	prs	3	
Watchmakers	"	1	
Vices—			
Hand, 5-in.		1	
Parallel, cast—			
$1\frac{3}{4}$-in.		1	
$4\frac{1}{2}$-in.		1	
Pin, large		3	
Section W.2.			
Batteries, inert, "O", 6 cell		1	
Coils, resistance, 10,000 ohms		1	
Detectors, Q and I.		1	
Case		1	
Galvos, No 24-A, complete		1	
Clothing Section No 18			
Knives, clasp		2	
Lanyards		2	

APPENDIX 16—*contd.*

TABLE 22.—*Cases, telegraph instrument repairers (filled).*

Articles	No.	How carried.	Remarks.
Section B-3			
Bottles, oil	1	(a)	
Burnishers, flat	1	(a)	
Section F.			
Brushes, watchmakers	1	(a)	
Cases, tool, empty—			
Instrument repairers	1	..	
Telegraph, instruments	1	(a)	
Cleaners, contact	1	(c)	
Files—			
Geneva—			
Cylinder, notch	1	(d)	
Dovetail	1	(d)	
Ratchet	1	(d)	
Round	1	(d)	
Square	1	(d)	
Three square	1	(d)	
Second cut, flat, 6-in.	1	(b)	
Smooth—			
Flat, 8 in.	1	(b)	
Half-round, 4-in.	1	(d)	
Round, 4 in	1	(d)	
Three square, 4 in	1	(d)	
Cases, boxwood	1	(a)	
Handles, screw clamp	1	(a)	
Gimlets, spike, ¼-in	1	(a)	
Hammers, carpenters, Warrington pattern, 4 oz.	1	(a)	
Holdalls, electricians	1	(b)	
Irons, soldering, straight, ¼ lb	1	(b)	
Nippers, side-cutting, 5½-in . . . . pr	1	(a)	
Pins, adjusting—			
2½ in —			
Fine	2	(c)	
Stout	2	(c)	
4 in.	1	(c)	
Pliers—			
Side cutting . . . . pr	1	(a)	
Watchmakers—			
4 in . . . . „	1	(b)	
5 in . . . . „	1	(a)	
Rules, steel, 1 ft	1	(a)	
Saws, keyhole	1	(b)	
Scissors, 5 in. . . . . pr	1	(a)	
Screwdrivers, electricians—			
2½ in.	1	(a)	
3 in	1	(b)	

TABLE 22—*contd.*

Articles.	No.	How carried.	Remarks.
Section F—contd.			
Spanners—			
Telegraph . . .	[illegible]	(c)	
Telephone . . .	[illegible]	(a)	
Tweezers—			
Large	1	(c)	
Small	1	(c)	
Vices, hand, 4-in.	1	(b)	
Section [illegible]			
Skins, chamois, leather . . .	1	(a)	

(a) Kept in the "Holdall, electricians."
(b) Carried loose in the "Case, tool, empty instrument repairers."
(c) Kept in the "Case, tool, empty, telegraph instrument."
(d) Kept in the "Case, boxwood, [illegible]."

APPENDIX 16—*contd.*

TABLE 23.—*Bag, armourers, bicycle, filled.*

Description of stores.	Number.
Section C-2.	
Bags, armourers, bicycle	1
Ball-head—	
Nuts, clip (*a*)	2
Screws, clip	2
Balls, antifriction—	
¼-in . . . doz.	8
$\frac{5}{16}$ in . . . "	12
⅜-in . . . "	10
Bottom brackets—	
Cotters	10
Cups	6
Nuts—	
Cotters	10
Pins, locking	6
Pins, locking	6
Screws, chain wheel	12
Washers, cotter	10
Brakes—	
Nuts	32
Pads	40
Front, springs	2
Chains, bicycle—	
Bolts	10
Couplings	6
Links	6
Nuts	10
Chain adjustment—	
Adjusters	6
Nuts	10
Frames, bicycle—	
Nuts, seat lug	2
Screws, seat lug	2
Hubs—	
Back, coaster—	
Clutches, brake	4
Cones, adjustable	4
Lever, brake	4
Nuts—	
Clip	6
Clutch	4
Screws, clip	4
Spindles	4
Back, coaster and free-wheel—	
Cages—	
No 1	10
No. 2	6
Cups, clutch	8
Nuts, spindle	12
Washers	12

APPENDIX 16—*contd.*

TABLE 23—*contd.*

Description of stores.	Number.
Section C 2—contd.	
Hubs—*contd.*	
Front—	
Cones—	
Adjustable	2
Fixed	2
Nuts	4
Spindles	2
Washers	4
Lubricators, spring lid, ⅛ in.	6
Pedals—	
Caps	6
Cones	6
Nuts, locking	6
Pins—	
Left	6
Right	6
Rings	6
Pumps, bicycle—	
Connections	6
Cups	6
Tyres, bicycle—	
Covers	2
Tubes	4
Wheels, bicycle—	
Nipples	24
Rims—	
Spokes	24
Washers, spoke	24

(a) Will be demanded and accounted for as "Frames, bicycles, nuts, seat lug."

APPENDIX 16—*concld.*

TABLE 24.—*Tools for repair of bicycles*

Description of stores.	Number
Section C-2	
Bits, screwdriver, pedal pin	1
Brushes, bicycle	1
Clamps, bicycle	1
Hammers, bicycle	1
Injectors, paraffin	1
Punches, bicycle	1
Scissors, bicycle . . . pr	1
Spanners, bicycle—	
Box—	
Hexagon	1
Square	1
Nipple	1
Thick	1
Thin	1
Valve	1
Section F	
Brushes, lacquer—	
½-in	2
1-in	2

APPENDIX 17

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 17.

Time Guns.

(Referred to in para. 117c.)

TABLE 1.—*Stations at which time guns will be fired.*

Stations.	Person or persons responsible for payment of necessary charges (see notes below).	Remarks.
Madras Presidency.		
Madras (a) (c)	Madras Corporation.	
Ootacamund (b) (c)	Municipal Council	Fired at 12 noon once a week every Saturday.
Bengal		
Calcutta (a) (c)	Calcutta Corporation.	
United Provinces		
Lucknow (c)	O. C., Station.	
Punjab.		
Murree (a) (c)	President, Municipal Committee.	
Burma.		
Akyab (d)	Port authorities.	
Bassein (d)	Municipal Committee.	
Maymyo (a) (c)	Municipality.	
Moulmein (d)	Port authorities.	
Rangoon Port (d)	Port Commissioners.	
Assam.		
Manipur (Imphal) (c)	President, Manipur State Darbar.	
Delhi.		
New Delhi	Free Issue	Fired during the stay of the Government of India in Delhi.
The Fort, Delhi (a) (c)	Municipal Committee.	
N.-W. F. P.		
Risalpur (c)	O. C., Station.	
Andaman and Nicobar Islands.		
Port Blair	(e)	

(a) A fixed annual sum of Rs. 115 will be charged on account of this time gun and will be paid to the C. M. A.

(b) A fixed annual sum of Rs. 32 will be charged on account of this time gun and will be paid to the C. M. A.

(c) The cost of blank ammunition and all other stores issued for this time gun will be recovered [illegible]

(d) [illegible] for the [illegible]

(e) [illegible] to civil [illegible]

APPENDIX 17—*concld.*

TABLE 2.—*Materials allowed annually for the repair and preservation of Time and Instruction Guns.*

Description of stores.		Proportion per time gun or howitzer or instructional gun at sanitaria	Remarks.
Section F.			
Brushes, paint, sash tool, No. 8		1	
Section H-1.			
Bathbricks		6 per R. L. gun and 3 per R. M. L. gun	
Chalk, white	lb	2	
Dubbing	,,	1 per gun mounted on travelling carriages.	
Grease, lubricating	,,	2 per pair of wheels	
Mineral, jelly, red	,,	3	For four coatings annually.
Naphthalene	,,	15 per 100 silk cartridges	
Oil—			
Coconut	galls	3 per R. L. gun.	
Linseed, Indian, boiled	,,	3½ per gun carriage and mounted slide for painting	
Lubricating, mineral, G. S.	pts	1 per 8 pieces or less.	
Soap, yellow	bar	1	
Soda, carbonate of, dry	lb	3 per gun carriage and mounted slide for painting	
Section H-2			
Cloths, sponge		1 per 6 pieces or less	
P and S Group.			
Dosootie, old	lb.	6½ per R. L. gun and 3 per R. M. L. gun	

APPENDIX 18

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 18.

Harness, Saddlery and Packsaddlery.

(Referred to in para. 38.)

Table 1.—*Saddlery and line gear for officers' chargers.*

Note (i).—The saddlery and line gear shown herein is authorized as a free issue to officers entitled to be mounted at State expense, on the following scale:—

Saddlery . . . . . 1 set per officer.
Line gear . . . . . 1 set per charger maintained at the expense of the State.

(ii).—Line gear for officers' chargers will accompany the charger when transferred, but saddlery will be borne on charge of the unit and will not be transferred with the officer.

(iii).—All units and formations existing in peace will hold on ledger charge officers' saddlery for the number of mounted officers on their Peace establishment.

Nomenclature.	Scale (peace and war)	
	No. per set of saddlery.	No. per set of line gear.
Section D-1.		
Bags, nose	..	1
Bits—		
Bridoon, large	..	1
Portmouth, reversible (a)	1	..
Blankets, saddle (e)	1	..
Bridles, watering, reins	..	1
Brushes, horse (b)	..	1
Cases, horse-shoe, S. O.—		
Near	1	..
Off	1	..
Collars, head, S. O. (a)	1	..
Combs, curry	..	1
Cruppers (c)	..	..
Fringes, browband, I. P.	..	1
Girths, web, S. O.—		
Broad (a)	1	..
Narrow (a)	1	..
Heads, bridle, S. O. (a)	1	..
Headstalls, G. S.	..	1
Leathers, stirrup, S. O.	2	..
Pads, roller, G. S.	..	1
Pickers, hoof, I. P.	..	1
Reins, bit, S. O.	2 (d)	..
Rollers, G. S. (f)	..	1
Saddles, S. O. (a)	1	..
Sponges, 1-oz.	..	1
Stirrups, steel (a)	2	..
Straps—		
Baggage	3	..
Cloak, centre, S. O.	1	..
Cloak and wallet, S. O.	2	..

APPENDIX 18—*contd.*

TABLE 1.—*concld.*

Nomenclature	Scale (peace and war).	
	No. per set of saddlery.	No. per set of line gear.
Section D-1—concld.		
Straps—*concld.*		
Extending, picket peg, strap	1	..
Sword, picket, peg	1	..
Surcingles, S. O. (*a*)	1	..
Wallets, S. O. . . . prs.	1	..
Section J.		
Pegs, picketing, I. P., No 1	..	2
Ropes—		
Head, 9-ft	..	1
Heel, 10½ ft.	..	1
Rugs, horse (*a*)	..	1
Shackles, I. P., No. 1 (*a*)	..	1
Section K.		
Dusters	..	1

(*a*) Sizes to be stated in demands
(*b*) 3 dandy brushes may be demanded in lieu of 1 horse brush, if desired.
(*c*) For horses requiring them.
(*d*) The second rein will not be issued until the stock of bridoon rein is exhausted
(*e*) The war scale of blankets is :—

Summer . . . . 1 per horse.
Winter . . . . 2 per horse.

APPENDIX 18—*contd.*

TABLE 2.—*Saddlery, universal.*

Description.	Number per set.		Remarks.
	Cavalry and S. and M. units.	Artillery and Signal units.	—
Section D-1.			
Bits, portmouth, reversible (e)	1	1	
Blankets, saddle (c)	1	1	
Breast plates, S. U.	..	..	Cavalry 2 per cent of saddles. Other units only to be demanded when required.
Buckets—			
Lance	..	..	2 per man armed with a lance.
Straps	..	..	1 per lance bucket.
Rifle	(a)	(a)	1 per mounted man armed with a rifle.
Signalling, flag	(a)	(a)	
Tripod, stand	(a)	(a)	
Cases, horse-shoe, S. U., with sword frog, I. P.	1	(b) (d)	S. and M. units get "cases, horse-shoe, S. U., I. P." in lieu.
Collars, head, S. U. (e)	1	1	
Cruppers, S. U.	..	..	Cavalry 1 per cent. of saddles. Other units only to be demanded when required.
Girths—			
S. U. (e)	1	1	
Pieces, extending	..	..	5 per cent. of girths.
Heads, bridle, S. U. (e)	1	1	
Leathers, stirrup, S. U.	2	2	
Pannels, S. U., I. P.—			
Near	1	1	
Off	1	1	
Reins, bit, S. U.	2	2	
Saddles, S. U., patt. '02, I. P. (e).	1	1	
Stirrups, steel (e)	2	2	
Straps—			
Baggage	3	6	
Cloak, centre, S. U.	1	..	
Cloak and wallet, S. U.	2	..	
Shoe-case, S. U., I. P.	1	..	
Sword, picket peg, I. P.	1	..	Not for S. and M. units.
Surcingles, S. U. (e)	1	1	
Straps, extending	..	..	10 per cent. of surcingles.
Wallets, S. U. . . prs.	1	..	

(a) As authorised.
(b) For R. A. armed with sword.
(c) The war scale of blankets is :—

Summer . . . . 1 per horse.
Winter . . . . 2 per horse.

The [illegible] equipment [illegible] Peshaw[illegible] Area. [illegible] for wa[illegible]

(d) [illegible] corps [illegible] ceremonial parades.

(e) Sizes as required.

APPENDIX 18—*contd.*

TABLE 3.—*Pack saddlery, G. S., I. P.*

Description.	Proportion
Section D-1.	
Bags, entrenching tools, I. P.	1 per set as authorised
Bits, bridoon, P. G. S., I. P. (*a*)	1 per set.
Breechings, P. G. S., I. P. (*a*)	1 per set.
Collars, breast, P. G. S., I. P. (*a*)	1 per set.
Collars, head, P. G. S., I. P.	1 per set.
Covers, pad, P. G. S., I. P.	1 per set for water carrying animals only.
Cruppers, P. G. S., I. P. (*a*)	1 per set.
Girths, P. G. S., I. P. (*a*)	2 per set.
Heads, bridoon, P. G. S., I. P. (*a*)	1 per set.
Kajawahs, mule	1 per set as authorised.
Pannels, P. G. S., I. P. (*a*) . . . prs.	1 per set.
Reins, bridoon, P. G. S., I. P.	1 per set.
Ropes, baggage, P. G. S., I. P. . . prs	1 per set.
Saddles, P. and D., P. G. S., I. P. (*a*)	1 per set.
Straps, girth, P. G. S., I. P. (*a*)	4 per set.

(*a*) Sizes as required.

APPENDIX 18—*contd.*

TABLE 4.—*Harness, mule draught.*

Description.	No. per set.	Remarks.
Section D-1.		
Bits—		
H. M. D., I. P.	1	
Bridoon, P. G. S., I. P. (a)	1	
Breechings, P. G. S., I. P. (a)	1	
Collars—		
Breast, H. M. D., I. P. (a)	1	
Head, P. G. S., I. P.	1	
Crupper, P. G. S., I. P. (a)	1	
Girths, P. G. S., I. P. (a)	2	
Heads, bridoon, P. G. S., I. P. (a)	1	
Pannels, P. G. S., I. P. (a) . . . prs	1	
Reins—		
Bridoon, P. G. S., I. P.	1	
Driving, H. M. D., I. P. . . . prs.	1	per double set.
Rods, connecting, H. M. D., I. P.	1	per double set.
Ropes, baggage . . . prs.	1	
Saddles, P. and D., P. G. S., I. P. (a)	1	
Straps—		
Girth, P. G. S., I. P. (a)	4	
Supporting trace, H. M. D., I. P.	2	
Swivels, P. and D.	1	
Traces, wire, H. M. D., I. P.—		
Near	1	
Off	1	

(a) Sizes as required.

APPENDIX 18—*contd.*

TABLE 5.—*Harness, pole draught, G. S.*

Description	Near.	Off.	Remarks.
Section D-1.			
Bits, portmouth, reversible (*b*)	1	1	
Blankets, saddle (*c*)	1	1	
Breechings, H. P. D. (*b*)	1	1	Wheel only
Collars—			
Breast	1	1	
Head, S. U. (*b*)	1	1	
Girths—			
S. U. (*b*)	1	..	
Pieces, extending	(*a*)	(*a*)	
Heads, bridle, S. U.	1	1	
Lethers, stirrup	2		
Leggings, drivers	1		
Neck-pieces, pole bar	1	1	} Wheel only
Pads, collar (*b*)	1	1	} Wheel only
Pannels, S. U., I. P.—			
Near	1		
Off	1	..	
Reins—			
Bit, S. U.	1	1	
Driving, long . . . set	(*a*)	(*a*)	
Rings, rein, driving	2	2	Wheel only, when long driving reins are used
Saddles, S. U., patt. '02, I. P. (*b*)	1	.	
Stirrups, steel (*b*)	2	.	
Straps—			
Baggage	3		
Collar pad	2	2	} Wheel only
Hip, long wheel . . . prs.	1	1	} Wheel only
Loin lead	1	1	Lead only
Neck, I. P.	1	1	
Surcingles, S. U. (*b*)	1	1	
Straps, extending	(*a*)	(*a*)	
Traces, wire—			
Long—			
Near	1	1	
Off	1	1	
Short . . . prs.	1	1	Lead only
Tugs, neck piece	1	1	Wheel harness of vehicles with No. 7-A draught poles only.
Whips—			
Drivers	1		
Driving			1 per set of driving reins.

(*a*) As authorised.
(*b*) Sizes as required.
(*c*) The war scale of blankets is —

Summer . . . 1 per horse.
Winter . . . 2 per horse.

The 2nd blanket to complete the winter scale will be purchased after mobilization. Checked indents for war establishment of horses will be prepared in peace.

APPENDIX 18—*contd.*

TABLE 6.—*Packsaddlery for pack horses.*

NOTE.—This set will be provided when existing equipment is worn out and stocks exhausted.

Description.	Proportion per set.
Section D-1.	
Bits, portmouth, reversible (*d*)	1
Blankets, saddle (*c*)	1
Breechings, P. G. S.	1
Cases, horse-shoe, P. G. S.	1
Collars—	
Breast, P. G. S.	1
Head, S. U (*d*)	1
Cruppers, P. G. S., medium	1
Girths—	
P. G. S.	2
Steadying, P. G. S. (*a*)	1
Heads, bridle, S. U. (*d*)	1
Pannels, P. G. S. . . . prs.	1
Reins, bit, S. U.	1
Straps, girth, P. G. S.	4
Surcingles, P. G. S., L. P. (*b*)	1
Trees, P. M. G., cavalry	1

(*a*) For entrenching tool bags only.

(*b*) Will not be issued for pack horses carrying entrenching tools and stretchers.

(*c*) The war scale of blankets is :—

Summer	1 per horse.
Winter	2 per horse.

The 2nd blanket to complete the winter scale will be held as Mobilization equipment in peace by cavalry units allotted to the Covering Force stationed in the Peshawar, Waziristan, Kohat, Baluchistan Districts and Zhob Independent Brigade Area. That for all other units will be purchased after mobilization. Checked indents for war establishment of chargers and horses will be prepared in peace.

(*d*) Sizes as required.

APPENDIX 18—*contd.*

TABLE 7.—*Saddlery and line gear for riding ponies.*

Description.	Scale per pony.		Remarks.
	Peace.	War	
Section D-1.			
Bags, nose, small	1	1	
Bits, bridoon	1		
Bits, portmouth, reversible (*b*)	1	1	
Blankets, saddle	1	1(*a*)	
Bridles, watering, reins	1		
Brushes, horse	1	1	
Cases, horse shoe, S. U., I. P.	1	1	
Collars, head, S. U. (*b*)	1	1	
Combs, curry	1	1	
Fringes, browband, I. P.	1	1	
Girths, leather, S. U. (*b*)	1	1	
Heads, bridle, S. U. (*b*)	1	1	
Headstalls, G. S.	1(*c*)		
Leathers, stirrup, S. U.	2	2	
Pads, roller, G. S.	1	1	
Pannels, S. U., I. P.—			
Near	1	1	
Off	1	1	
Pickers, hoof, I. P.	1	1	
Reins, bit, S. U.	2	2	
Rollers, G. S.	1		
Saddles, S. U., patt. '02, I. P. (*b*)	1	1	
Sponges, 1 oz. (*d*)	1	1	
Stirrups, steel (*b*)	2	2	
Straps—			
Baggage	3	3	
Cloak and wallet, S. U.	2	2	
Cloak, centre, S. U.	1	1	
Shoe-case, S. U., I. P.	1	1	
Surcingles, leather, S. U. (*b*)	1	1	
Wallets, S. U. . . . prs.	1	1	
Section J.			
Nets, hay	1	1	
Pegs, picketing, I. P., No. 2	2	2	
Ropes, head, 8-ft.	1	1	
Rugs, horse (*e*)	1	1(*e*)	

APPENDIX 18—*concld.*

TABLE 7.—*concld.*

Description	Scale per pony.		Remarks.
	Peace.	War.	
Section J—concld.			
Shackles, I. P.—			
No. 5	1	1	
Chains—			
5-ft.	1	1	
Links, split	(*f*)	(*f*)	
Section K.			
Dusters (*d*)	2	2	

(*a*) The war scale of blankets is :—

Summer . . . . 1 per pony.
Winter . . . . 2 per pony.

[illegible] mobilization.

[illegible] cad-collars no

[illegible] l obtain these locally, the peace.

(*f*) 1 per 2 shackle chains

APPENDIX 18

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 18—*contd.*

TABLE 2.—*Saddlery, universal.*

Description.	Number per set.		Remarks.
	Cavalry and S. and M. units.	Artillery and Signal units.	
Section D-1.			
Bits, portmouth, reversible (e)	1	1	
Blankets, saddle (c)	1	1	
Breast plates, S. U.	..	..	Cavalry 2 per cent. of saddles. Other units only to be demanded when required.
Buckets—			
Lance	..	..	2 per man armed with a lance.
Straps	..	..	1 per lance bucket.
Rifle	(a)	(a)	1 per mounted man armed with a rifle.
Signalling, flag	(a)	(a)	
Tripod, stand	(a)	(a)	
Cases, horse-shoe, S. U., with sword frog, I. P.	1	(b) (d)	S. and M. units get "cases, horse-shoe, S. U., I. P." in lieu.
Collars, head, S. U. (e)	1	1	
Cruppers, S. U.	..	..	Cavalry 1 per cent. of saddles. Other units only to be demanded when required.
Girths—			
S. U. (e)	1	1	
Pieces, extending	..	..	5 per cent. of girths
Heads, bridle, S. U. (e)	1	1	
Leathers, stirrup, S. U.	2	2	
Pannels, S. U., I. P.—			
Near	1	1	
Off	1	1	
Reins, bit, S. U.	2	2	
Saddles, S. U., patt. '02, I. P. (e)	1	1	
Stirrups, steel (e)	2	2	
Straps—			
Baggage	3	6	
Cloak, centre, S. U.	1	..	
Cloak and wallet, S. U.	2	..	
Shoe-case, S. U., I. P.	1	..	
Sword, picket peg, I. P.	1	..	Not for S. and M. units.
Surcingles, S. U. (e)	1	1	
Straps, extending	..	..	10 per cent. of surcingles.
Wallets, S. U. . . prs	1	..	

(a) As authorised.
(b) For R. A. armed with sword.
(c) The war scale of blankets is :—

Summer	1 per horse.
Winter	2 per horse.

The 2nd blanket to complete the winter scale will be held as Mobilization equi[illegible] ment in peace by cavalry units allotted to the Covering Force stationed in t[illegible] Peshawar, Waziristan, Kohat, Baluchistan Districts and Zhob Independent Briga[illegible] Area. That for all other [illegible] Checked indu[illegible]

Sig[illegible]
ted,

ceremonial parades.

(e) Sizes as required.

APPENDIX 18—*contd.*

TABLE 3.—*Pack saddlery, G. S., I. P.*

Description.		Proportion.
Section D-1.		
Bags, entrenching tools, I. P.		1 per set as authorised
Bits, bridoon, P. G. S., I. P. (a)		1 per set.
Breechings, P. G. S., I. P. (a)		1 per set.
Collars, breast, P. G. S., I. P. (a)		1 per set.
Collars, head, P. G. S., I. P.		1 per set.
Covers, pad, P. G. S., I. P.		1 per set for water carrying animals only
Cruppers, P. G. S., I. P. (a)		1 per set.
Girths, P. G. S., I. P. (a)		2 per set.
Heads, bridoon, P. G. S., I. P. (a)		1 per set.
Kajawahs, mule		1 per set as authorised.
Pannels, P. G. S., I. P. (a)	prs	1 per set.
Reins, bridoon, P. G. S., I. P.		1 per set.
Ropes, baggage, P. G. S., I. P.	prs	1 per set.
Saddles, P. and D., P. G. S., I. P. (a)		1 per set.
Straps, girth, P. G. S., I. P. (a)		4 per set.

(a) Sizes as required.

APPENDIX 18—*contd.*

TABLE 4.—*Harness, mule draught.*

Description.	No. per set.	Remarks.
Section D-1.		
Bits—		
H. M. D., I. P.	1	
Bridoon, P. G. S., I. P. (a)	1	
Breechings, P. G. S., I. P. (a)	1	
Collars—		
Breast, H. M. D., I. P. (a)	1	
Head, P. G. S., I. P.	1	
Crupper, P. G. S., I. P. (a)	1	
Girths, P. G. S., I. P. (a)	2	
Heads, bridoon, P. G. S., I. P. (a)	1	
Pannels, P. G. S., I. P. (a) . . . prs.	1	
Reins—		
Bridoon, P. G. S., I. P.	1	
Driving, H. M. D., I. P. . . . prs.	1	per double set.
Rods, connecting, H. M. D., I. P.	1	
Ropes, luggage . . . prs.	1	
Saddles, T and D., P. G. S., I. P. (a)	1	
Straps—		
Girth, P. G. S., I. P. (a)	4	
Supporting trace, H. M. D., I. P.	2	
Swivels, P. and D.	1	
Traces, wire, H. M. D., I. P.—		
Near	1	
Off	1	

(a) Sizes as required.

APPENDIX 18—*contd.*

TABLE 5.—*Harness, pole draught, G. S.*

Description.	Near.	Off.	Remarks
Section D-1.			
Bits, portmouth, reversible (*b*)	1	1	
Blankets, saddle (*c*)	1	1	
Breechings, H. P. D. (*b*)	1	1	Wheel only
Collars—			
Breast	1	1	
Head, S. U. (*b*)	1	1	
Girths—			
S. U. (*b*)	1	..	
Pieces, extending	(*a*)	(*a*)	
Heads, bridle, S. U.	1	1	
Lethers, stirrup	2		
Leggings, drivers	1		
Neck-pieces, pole bar	1	1	Wheel only
Pads, collar (*b*)	1	1	Wheel only
Pannels, S. U., I. P.—			
Near	1		
Off	1		
Reins—			
Bit, S. U.	1	1	
Driving, long . . . set	(*a*)	(*a*)	
Rings, rein, driving	2	2	Wheel only, when long driving reins are used
Saddles, S. U., patt. '02, I. P. (*b*)	1	..	
Stirrups, steel (*b*)	2		
Straps—			
Baggage	3		
Collar pad	2	2	Wheel only
Hip, long wheel . . . prs.	1	1	Wheel only
Loin lead	1	1	Lead only
Neck, I. P.	1	1	
Surcingles, S. U. (*b*)	1	1	
Straps, extending	(*a*)	(*a*)	
Traces, wire—			
Long—			
Near	1	1	
Off	1	1	
Short . . . prs.	1	1	Lead only
Tugs, neck piece	1	1	Wheel harness of vehicles with No. 7-A draught poles only.
Whips—			
Drivers	1	.	
Driving		.	1 per set of driving reins.

(*a*) As authorised.
(*b*) Sizes as required.
(*c*) The war scale of blankets is —

Summer . . . 1 per horse.
Winter . . . 2 per horse.

The 2nd blanket to complete the winter scale will be purchased after mobilization. Checked indents for war establishment of horses will be prepared in peace.

APPENDIX 18—*contd.*

TABLE 6.—*Packsaddlery for pack horses.*

NOTE.—This set will be provided when existing equipment is worn out and stocks exhausted.

Description.	Proportion per set.
Section D-1.	
Bits, portmouth, reversible (*d*)	1
Blankets, saddle (*c*)	1
Breechings, P. G. S.	1
Cases, horse-shoe, P. G. S.	1
Collars—	
Breast, P. G. S.	1
Head, S. U. (*d*)	1
Cruppers, P. G. S., medium	1
Girths—	
P. G. S.	2
Steadying, P. G. S. (*a*)	1
Heads, bridle, S. U. (*d*)	1
Pannels, P. G. S. . . . prs.	1
Reins, bit, S. U.	1
Straps, girth, P. G. S.	4
Surcingles, P. G. S., I. P. (*b*)	1
Trees, P. M. G., cavalry	1

(*a*) For entrenching tool bags only.

(*b*) Will not be issued for pack horses carrying entrenching tools and stretchers.

(*c*) The war scale of blankets is :—

Summer . . . . 1 per horse.
Winter . . . . 2 per horse.

The 2nd blanket to complete the winter scale will be held as Mobilization equipment in peace by cavalry units allotted to the Covering Force stationed in the Peshawar, Waziristan, Kohat, Baluchistan Districts and Zhob Independent Brigade Area. That for all other units will be purchased after mobilization. Checked indents for war establishment of chargers and horses will be prepared in peace.

(*d*) Sizes as required.

APPENDIX 18—*contd.*

TABLE 7.—*Saddlery and line gear for riding ponies.*

Description.	Scale per pony.		Remarks
	Peace	War	
Section D-1.			
Bags, nose, small	1	1	
Bits, bridoon	1	.	
Bits, portmouth, reversible (*b*)	1	1	
Blankets, saddle	1	1(*a*)	
Bridles, watering, reins	1		
Brushes, horse	1	1	
Cases, horse shoe, S. U., I. P.	1	1	
Collars, head, S. U. (*b*)	1	1	
Combs, curry	1	1	
Fringes, browband, I. P.	1	1	
Girths, leather, S. U (*b*)	1	1	
Heads, bridle, S U (*b*)	1	1	
Headstalls, G S.	1(*c*)	..	
Leathers, stirrup, S. U.	2	2	
Pads, roller, G S.	1	1	
Pannels, S U, I P.—			
Near	1	1	
Off	1	1	
Pickers, hoof, I P	1	1	
Reins, bit, S. U.	2	2	
Rollers, G S	1		
Saddles, S U, patt 02, I P (*b*)	1	1	
Sponges, 1-oz (*d*)	1	1	
Stirrups, steel (*b*)	2	2	
Straps—			
Baggage	3	3	
Cloak and wallet, S U	2	2	
Cloak, centre, S. U	1	1	
Shoe-case, S. U, I. P.	1	1	
Surcingles, leather, S. U. (*b*)	1	1	
Wallets, S. U. . . . . prs	1	1	
Section J.			
Nets, hay	1	1	
Pegs, picketing, I P, No. 2	2	2	
Ropes, head, 9 ft.	1	1	
Rugs, horse (*b*)	1	1(*e*)	

APPENDIX 18—*concld.*

TABLE 7.—*concld.*

Description.	Scale per pony.		Remarks.
	Peace.	War.	
Section J—concld.			
Shackles, I. P.—			
No. 5	1	1	
Chains—			
5-ft.	1	1	
Links, split	(*f*)	(*f*)	
Section K.			
Dusters (*d*)	2	2	

(*a*) The war scale of blankets is :—

Summer . . . . . 1 per pony.
Winter . . . . 2 per pony.

The 2nd blanket to complete the winter scale will be purchased after mobilization. Checked indents for war establishment of ponies will be prepared in peace.

(*b*) Sizes as required

(*c*) Headstalls are not to be issued indents will be met by issuing head-collars no longer fit for parade purposes

(*d*) Units which received a line contingent allowance will obtain these locally, the costs to be defrayed from lines contingent allowances, during peace.

(*e*) Winter only, for use when required in standing camp.

(*f*) 1 per 2 shackle chains.

APPENDIX 19

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 19.

Clipping Machines.

(Referred to in para. 38.)

TABLE 1.—*Scale of hand clippers and clipping machines.*

Units.	Scale per unit. (Peace and War except where otherwise stated.)
Clippers, horse (a)—	
All units (except Governor Generals Bodyguard) .	3 per cent. of the number of horses with a minimum of 2 per unit.
Governor General's Bodyguard	4
Clippers, mule (a)—	
All units . .	3 per cent. of the number of mules with a minimum of 2 per unit.
Machines, horse, clipping—	
Artillery—	
Batteries (Horse drawn)	2
Batteries (Mechanized)	1
Divisional Artillery Column (Horsed)	2 per section (war only).
Mountain Artillery Ammunition Columns	2 (War only).
Royal Artillery Training Centre	1
Mountain Artillery Training Centre .	1
Other Units (Mechanized) with 15 horses (including chargers) or over	1
Cavalry .	1 per squadron (including Headquarters wing).
British and Indian Infantry Battalions . .	1
Sappers and Miners Units—	
Field Troops .	1
Headquarters and Depots .	2
Signals—	
Corps Signals	1 per company.
Divisional Signals	2
Signal Training Centre .	1
Cavalry Brigade Signal Troop . .	1
Transport—	
Animal Transport Company (Mule), other than L. E.	2
Animal Transport Company (Mule), L. E. .	1 (2 in war).
Animal Transport Training Company (Mule)	2
Animal Transport Training Company (Camel)	2 (War only).
Zhob local transport (Camel) . .	1
Animal Transport Company (Camel), Silladar .	2

(a) Divisional Signals will draw clippers on the scale of 1 per section and the total number drawn will consist of both horse and mule clippers.

APPENDIX 19—*contd.*

TABLE 1.—*concld.*

Units.	Scale per unit. (Peace and War except where otherwise stated.)
Machines, horse, clipping—contd.	
Veterinary—	
Military Veterinary hospitals, class I and II	1 each
Mobile Veterinary Section	1 (War only)
Veterinary Hospitals (Camel)	2 (War only)
Veterinary Convalescent Depot	3 (War only)
Veterinary Convalescent Depot (Camel)	3 (War only)
Remount Depots—	
Saharanpur	5
Sargodha	5
Mona	5
Calcutta	1
Ahmednagar	3
Equitation School, Saugor	2

NOTE.—The Machines for mule and camel units, hospitals and depots, existing in peace, are to be fitted with either sheep shearing, or knife mule heads, as the case may be, and spare heads (referred to in Table 2 of this appendix) of this nature will be supplied.

APPENDIX 19—*concld.*

TABLE 2.—*Scale of accessories and spare parts for clipping machines.*

Description.	Scale (Peace and War).
Section D-1.	
Machines, horse, clipping—	
Chains, 6-ft.	1 per machine.
Grinding attachment	1 per unit.
Knives, head—	1 per machine.
Plates—	
Bottom	3 per machine.
Top	2 per machine.
Links	6 per machine.

TABLE 3.—*Scale of lubricants for clipping machines.*

Description.		Peace per machine (annual).	War per unit.
Section D 1			
Machines, horse, clipping—			
Grease, lubricating	tin	1	1
Grinding attachment, knife paste	"	1	1
Section H-1.			
lubricating, mineral, G S	pint	1	1

APPENDIX 20.

TO

Equipment Regulations (India) Part I, 1933.

APPENDIX 20.

(Referred to in para. 37.)

Scale of Rifles, No. 2 and connected stores issuable on payment to units of the Indian States Forces.

	Scale per.				
	Cavalry regiment.	Infantry battalion.		Field Company, S. and M.	Mountain battery.
		Active.	Training.		
Section B 3.					
Rifles, No. 2 . . .	16	16	4	4	2
Tools, cleaning—					
Brushes	16	16	4	4	2
Cleaners	16	16	4	4	2
Rods, No. 6	16	16	4	4	2

APPENDIX 21.

TO

Equipment Regulations (India) Part I, 1933.

APPENDIX 21.

(Referred to in para. 256.)

Materials for the repair and preservation of Harness, Saddlery and Packsaddlery.

(Under Revision.)

APPENDIX 22.

TO

Equipment Regulations (India) Part I, 1933.

APPENDIX 22.

(Referred to in para. 37.)

Materials for repair and preservation of lances.

Description.	Annual allowance for 100 lances.	Remarks.
Section B-2.		
Lances, patt., 68 Mk. I—		
Laces	15	
Protectors	30	
Slings	10	
Thongs, sling	20	
Section Q-2.		
Shellac . . . . ozs.	12	
I. A. S. C. SUPPLY.		
Group P. O. L.		
Spirit, methylated, denatured . . . . pts.	1½	For revarnishing.

APPENDIX 22-A.

TO

Equipment Regulations (India) Part I, 1933.

APPENDIX 23.

(Referred to in para 37.)

Annual allowances of "Basils, brown" (Leather, sheep).

Unit.	Scale per unit.	Remarks.
Artillery—		
Horse, Field, Medium and Mountain Batteries	1	For miscellaneous purposes.
Divisional Ammunition Columns .	1	
Mountain Artillery Training Centre .	1	
All Units (including artillery) of the regular Army and the Auxiliary and Territorial Forces	½ per set of staff saddlery .	Until such time as replaced by saddlery universal.

APPENDIX 24.

TO

Equipment Regulations (India) Part I, 1933.

APPENDIX 25.

TO

ipment Regulations (India) Part I, 1933.

APPENDIX 25.

(Referred to in para. 37.)

Scale of cleaning materials for Infantry range finders.

Description.	Scale per range finder.	Remarks.
Section F.		
Brushes, writing, duck		
Section H-2.		
Skins, chamois, leather	1	To be renewed every 4 years.
Section K.		
Dusters	1	

APPENDIX 26.

TO

Equipment Regulations (India) Part I, 1933.

APPENDIX 26.

(Referred to in para. 291.)

Scale of incinerator grids for combatant units in the field army and covering troops.

Description.	Scale (War only).	Remarks.
Section I.		
Grids, incinerator . . .	4 per unit except as shewn below :—	To be held in unit charge as mobilization equipment.
	2 per Field Troop and Army Troop Company, S. and M.	
	1 per Divisional Headquarters Company, S. and M.	
	1 for Chitral Section, S. and M.	
	Printing and Litho Section, S. and M.—*Nil.*	

APPENDIX 27

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 27.

Saluting Guns.

(Referred to in para. 37.)

TABLE 1.—*Scale of Ordnance allowed to stations for saluting purposes*

District or Brigade.	Station.	No. of guns.	Nature.	
Sind Independent Brigade Area.	Manora . .	9	R. M. L.	9 pdr.
Burma Independent District.	Rangoon . .	6	"	"
Madras District . .	Madras . .	9	"	"
" " . .	Ootacamund .	9	"	"
Presidency and Assam District.	Bankipore . .	9	"	"
Presidency and Assam District.	Ranchi . .	9	"	"
Presidency and Assam District.	Fort William .	9	"	"
Deccan District . .	Fort Sitabaldi .	6	"	"
Bombay District . .	Bombay . .	9	"	"
" " . .	Baroda . .	3	S. B.	6-pdr. bronze
" " . .	Rajkot . .	3	"	"
" " . .	Indore . .	4(a)	B. L.	15-pdr.
Lahore District . .	Lahore . .	6	"	"
Delhi Independent Brigade Area	Delhi . . .	6	"	"

(a) The cost of maintenance will be borne by the Civil Department concerned

APPENDIX 27—*contd.*

TABLE 2.—*Scale of stores allowed annually for the preservation of saluting batteries.*

Article		Scale	Remarks
Section F.			
Brushes, sash tool, No. 8		1 per 3 guns	
Section H-1			
Acid, carbolic, liquid, No 5	oz	1 per sponge head	
Bath bricks		1 per 4 guns	
Chalk, white	lb.	2 per gun	
Dubbing	"	2 per gun	
Oil—			
Coconaut	gall	¼ per gun	Double this quantity for Burma
Lubricating, mineral, G 8	pts	2 per gun	
Soap, yellow	bar	1 per gun	
Section H-2			
Cotton, waste, coloured	lb	1 per gun	
Section K.			
Cloths, sponge		4 per gun	
Sections P. and S			
Dosootie, old	lb	1 per gun	

APPENDIX 27—*contd.*

TABLE 3.—*Equipment authorised for R. M. L., 9-pdr. saluting batteries.*

Articles.	Scale.	Remarks.
Section E-1.		
Brushes, water, carriage	2 per battery.	
Section J.		
Colours, camp, L. P.—		
Flags, ordinary	2	Madras only.
Poles, ordinary	2	Madras only.
Covers, waterproof, 18 ft. × 12 ft. . .	3	Fort Sitabaldi only.
	9	Fort William only.
Section K.		
Flags, union, 6 ft. × 3 ft	1	Manora only.
Section L		
Pails, 3½ gallon	1 per gun.	
Section Q-1.		
Tubes, friction, copper, solid drawn, with ball	As required.	
Section Q-2.		
Straps, tube box, long	1 per gun.	
Section T-2		
Cases, powder, metal lined	1	Rangoon only.
Keys	1	Rangoon only.
Section 11.		
Carriages, field, R. M. L., 9 pdr (or garrison)	1 per gun.	
Cartouches	1	Manora and Madras only.
Limbers, R. M. L., 9 pdr.	1	Rangoon only.

APPENDIX 27—*contd.*

TABLE 3—*contd.*

Articles.	Scale.	Remarks
Section 15-A.		
Pockets, tube, L. S.	1 per gun	
Section 17-B.		
Lanyards, firing, No. 7	2 per gun.	
Section 18 B.		
Ordnance, R. M. L., bolts, cascable, elevating	1 per gun	
Plugs, vent, I. P.	1 per gun	
Prickers, vent, 7½ in.	1 per gun	
Vent, servers	1 per gun	
Section 19		
Brushes, piassaba, R. M. L., 9 pdr.	1 per battery	
Caps, sponge, No. 3	1 per sponge	
Cases, cartridge	1 per gun.	
Covers, muzzle, I. P., No. 1	1 per gun.	
Sponges, R. M. L., 9-pdr., I. P.	2 per gun.	
Worms, wad, hook, No. 5	1 per 2 guns.	
Section 22		
Barrows, powder, two wheels	1	Rangoon only
Cartridges, R. M. L., filled, 9 pdr., 1-lb., blank, L. G. (or R. L. G. 2)	As required	See para. 112 for the method of [illegible]ing vouchers for stores for salutes

APPENDIX 28

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 28.

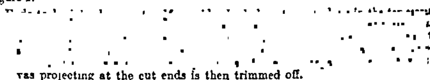
(Referred to in para. 309.)

Instructions for making drill belts for Vickers Guns.

Cut out the worn parts and join the ends of the serviceable portions together. The drill belt when completed should hold 250 rounds.

This will be carried out as follows (see sketch).

Figure I.—



was projecting at the cut ends is then trimmed off.

Figure II.—Shows finished belt.

FIG 1.

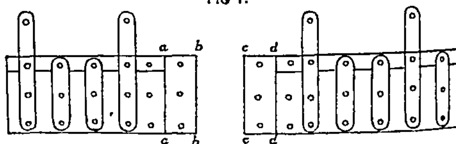
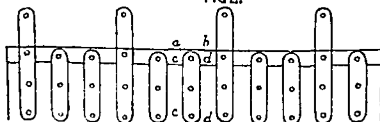


FIG 2.



APPENDIX 29

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 29.

(Referred to in para. 219.)

Repairs to Rifles, Machine Guns, etc.

The following lists embody the repairs that should be carried out regimentally, by I. A. O. C., and Factory.

The lists are not exhaustive. Armourers should carry out all repairs within their capabilities, except those definitely forbidden to be carried out regimentally. Similarly the I. A. O. C. will normally carry out all repairs which are not definitely stated to be for factory execution only.

Unit and arsenal repair of machine guns and mountings is subject, in a great measure, to the general condition of the gun or mounting. Guns shewing signs of general wear requiring thorough overhaul, will be repaired in factory.

Repairs or alterations to rifles and machine guns authorized by I. L. Cs. to be carried out regimentally, by I. A. O. C., or Factory, and not included in these lists, will be so carried out.

REPAIRS TO BE CARRIED OUT REGIMENTALLY.

Rifles—Carbines—Muskets.

Replace, fit and adjust all components supplied annually.

Fitting of bolt and bolt heads

Adjustment of actions

Testing of springs.

Repairs to case magazine, including slight brazing.

Repair and tighten loose leaves, backsight.

Repair, fitting and replacement of blade, foresight.

Cleaning of rusty, slightly corroded, and nickelled barrels.

Patching and repair of stock butts, fore-end and handguard.

Adjustments of fore ends for correct bearings.

Brown black, blue components.

Test by shooting and correct adjustments of blade, foresight.

Pistols.

Replace, fit and adjust all components supplied annually.

Adjustment of actions

Testing of springs

Cleaning of rusty slightly corroded, and leaded barrels.

Cleaning of rusty and leaded chambers.

Repair to damaged foresight.

Gauge head space between cylinder and shield.

Brown black blue components.

Swords and Swords, Bayonet.

Fit, repair and adjust components.

Repair and fit guards, reform if slightly dented.

Hand polishing of blades and hilts.

Repair and replace grips, sword, bayonet.

Brown pommel and cross bar.

APPENDIX 29—*contd.*

REPAIRS TO BE CARRIED OUT REGIMENTALLY—*contd.*

Scabbards, Sword and Sword Bayonet.

Re-blocking leathers.
Straightening bent scabbards.
Removal of dents, etc.
Braze on shoe tips and rings.

Lances

Repair and replacement of components other than staves
Hand-polish spear end and shoes.

Bicycles.

Fit new parts supplied.
Straighten frame.
True up and build wheels

Maxim and Vickers Guns.

Replace, fit and adjust all component parts issued with Guns.

Replace barrel.

Adjustment of mechanism for correct timing and functioning.

Testing of springs

Cleaning of rusty, slightly corroded, and nickelled barrels

Repair of sights, replacement and fit of foresight

Re soldering head on steam tube

Replacement of check lever, covers front and rear, catch cover, front, rod connecting, shutter sliding, box fuzee, muzzle attachment gland, casing outer, rose screw adjusting spring fuzee, pins stop, adapter, tangent sight slide slide right and left, feed block slide, pawls, levers top and bottom, spring side plate

Minor repairs to casing breech, removal of burring, tightening of studs fuzee box, and rivets

Minor repairs to casing barrel.

Tightening loose knobs to crank handles

Brown, black, blue components

Paint.

APPENDIX 29—*contd.*

REPAIRS TO BE CARRIED OUT REGIMENTALLY—*contd.*

Lewis Gun—contd.

Body group—Repair and replacement of pin hinge, plates safety left and right.

Butt—Tightening and patching.

Casing pinion—Repair of distorted hooks. Replacement of pinion screw tension and hub.

Casing Radiator front—Replacement. Repair of distortion.

Casing Radiator rear—Repair of distortion due to mounts field.

Clamp ring—Replacement (To be numbered to gun after accuracy test) Repair and replacement of stud positioning.

Cover Body—Repair and replacement of leaves, tangent sight, pin axis slide, screw elevating.

Guard Trigger—Tightening and replacement. Replacement of catch butt, and plunger. Replacement of grips, left and right.

Radiator—Repair of distorted pins.

Rod Piston—Replacement. Replacement of pin fixing rod rack.

Repair and adjustment of magazines.

Brown, blue, black components.

Paint.

Mountings, Tripod.

Replace, fit and adjust component parts issued with Mountings.

Replacement of Blocks, centering, L. & R.

Bush, hand wheel, elevating gear—Fitting of washer. Removing burrs on nuts. Fitting feathers.

Chains, securing—Repair and replacement.

Crosshead, Repair. Rectifying distorted webs. Adjustment of width of web.

Dial, Direction—Replacement. Fitting of socket. Replacement of screw setting Repair of distortion.

Dial, Elevating—Replacement.

Handles, Jamming—Replacement. Repair of bends.

Legs, front, left and right—Repair and replacement.

Screws, inner and outer—Replacement.

Screws, nut, tumbler—Fitting of washers.

Socket—Numbering

Clutch plate, L. & R.—Tightening. Removal of burrs.

Screws—Replacement

Clutch plate, rear—Removing burrs. Tightening pins.

Studs, joint, front leg—Straightening. Removing burrs.

Nuts—Removing burrs.

Tumbler, elevating gear—Repair to holes, pin, tumbler. Nut—Removing burrs.

Pointer plate—Replacement. Repair of distortion.

Pin, joint, elevating and crosshead—Replacement and fitting feathers.

Spring Disc—Replacement and setting.

Painting.

APPENDIX 29—*contd.*

REPAIRS TO BE CARRIED OUT BY I. A. O. C.

Rifles.

All repairs other than—

Repair of loose Bridge, Charger, Guide, including the tightening up, but not replacement of loose rivets.

Replacement of barrel and body

Straightening barrels

Lapping barrels

Pistols

All repairs.

Swords and Swords, Bayonet.

All repairs other than—

Repair bent blade.

Re-brazing of pommel or cross-piece.

Testing.

Bicycles

All repairs and replacements.

Maxim and Vickers Guns.

Casing, barrel—Rebushing joint, pin, holes Replacement of steam tube Repairs of and replacement of Boss condenser.

Casing, breech—Replacement of studs, fuzee, box, Bracket, check, lever, rebushing, elevating, joint, pin, holes.

Covers, front.—Repairing loose joint holes Replacement of bracket catch

Covers, rear—Repairing of loose joint holes.

Rear cross-piece—Replacement

Recoiling portion—Replacement of plates, side, left and right (single plates not to be fitted, always a selected pair), crank pin, handle, crank.

Box, fuzee—Repair of bracket

Locks, complete—All repairs and replacements other than, levers, side, lock casing, and extractor.

Lewis Guns

Body—Replacement of key, magazine post

Bolt—Replacement and renumbering stud, actuating.

Covers, body—Replacement and numbering Replacement of bed, tangent sight

Guard, trigger—Replacement.

Rods, piston—Replacement of rack

Magazines—Major repairs

Casings, radiator, rear—repair of loose locking piece

APPENDIX 29—*contd.*

REPAIRS TO BE CARRIED OUT AT FACTORY—*contd.*

Pistols.

Major repairs to barrels.

Swords and Swords, Bayonet.

Repair bent blade.

Re-brazing of pommel or cross-piece.

Testing.

Maxim and Vickers Guns.

Casing, barrel—All repairs to internal fittings. Repair of and replacement of Bracket, foresight, Trunnion block end cap.

Casing, breech—Replacement of Plates, L. & R., Cams, L. & R., Bottom plate. Repairs to Hole, joint, pin T, fixing, Stop, elevating, Replacement of Bracket, catch cover, front.

Locks—Defects and replacement of Lever, side, Lock, casing and Extractor.

Lewis Guns.

Body—Replacement. Tightening. Adjustment of head piece.

Casing, radiator, rear—Replacement. Distortion. Repair of slot stud positioning, clamp ring.

Radiator—Replacement. Repair of slot key barrel.

Tangent sight—Re-marking graduations on leaves.

APPENDIX 30

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 30.

(Referred to in para. 39.)

Painting.

Time and trouble spent on painting war material are well employed.

The more an article is handled, the greater the trouble which should be taken with painting, *e.g.*, Mountain Artillery guns and carriages or Vickers gun barrel carriages require more careful painting than field artillery wagons.

PAINTING INSTRUCTIONS.

1. Thoroughly clean the article. All dirt, grease and dust must be removed from the whole surface to be painted.

2. Clean away all old paint that will come off without resorting to burning. Dust in corners and angles, paint on iron work, etc., must not be overlooked.

3. Carefully examine for damages. All repairs necessary should be carried out at this stage.

4. Tighten up all screws, nuts, nails, etc.

5. Prepare the surfaces to be painted by applying knotting to all knots in the woodwork, smoothing off any rough places and sharp edges, and by giving a first or priming coats, to all unpainted patches. When this coat is dry (say 24 hours after finishing the coat) thoroughly smooth the whole of the surfaces by sand papering them.

6. Fill all cracks and joints in wood work with putty or stopping well worked in. Always wet the whole of the interior of the crack with paint before stopping.

7. Before applying a coat of paint be certain that the surfaces are quite clean and free from dust. A damp cloth is useful for removing dust.

8. Next apply the actual coat of paint, making sure to do this in a place free from dust, wet, or where the direct rays of the sun will not fall on the article. It is usually necessary to well water the floor to prevent dust rising.

9. When this coat is quite dry and hard, it may be well smoothed down with fine sand paper or pumice-stone and given another coat of paint under the same conditions as (8). To carry out the foregoing :—

(i) A tarred surface must be scraped clean and then given a coat of knotting.

(ii) Grease can be completely removed by washing with turpentine.

(iii) Paint 'prepared for use' must be very thoroughly mixed before use. Perfunctory stirring is of very little use. Considerable energy is required. The correct [illegible] intimately [illegible] too much [illegible] it is someti[illegible] out of pai[illegible] different co[illegible] [illegible] if the paint is too thick.

(iv) For all coats other than the last one, it is a good thing to add a small quantity of turpentine and thoroughly mix in.

(v) After preparation for use and before actually applying any to an article, all paint should be strained through fine muslin.

(vi) The better a surface is prepared, the better will paint adhere. The longer each coat is allowed to dry on before the next is applied, the better the final result

(vii) The paint of a first coat should be well worked in by working the brush across in different directions; angles and corners should be done first and the plain surfaces last.

(viii) A fairly stiff brush may be satisfactory for rough work and first coats of paint but a flexible one is necessary to obtain satisfactory final coats.

(ix) Several thin coats of paint, each applied after the previous one is quite hard, are much better, although only taking the same amount of actual paint, than one thick coat.

(x) The best effect is obtained when all coats are carefully smoothed off and all dust removed before applying the next coat.

(xi) The best finish is obtained by drawing the brush always in the same direction, usually along the length of the work.

(xii) Further instructions regarding painting are given in Section III, Handbook for Military Artificers, 1915.

APPENDIX 31

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 31.

(Referred to in para. 37.)

Scale of paint allowed annually for painting A. T. carts, L. G. S. wagons and water carts.

SCALE PER VEHICLE.

	A. T. carts.	L. G. S. wagons.	Water carts.	Remarks.
Paint, ready mixed—				
Khaki . . . . lb.	6	20	12	

* Brushes, paint, sash tool, No. 6 at the scale of one brush per 20 A. T. carts or fraction thereof, are allowed annually for the painting of these carts. In the case of units who get a fixed allotment, the cost of the brushes will be met from this source.

APPENDIX 32

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 32.

(Referred to in para. 313.)

Machine gun equipment.

TABLE 1.—*Lewis gun carrying equipment for infantry units.*

Description of stores.	Scale for		Remarks.
	British and Indian infantry.	Training battalions.	
Section A-1.			
Braces, pouch, Lewis gun	6 per gun.	6 per battalion.	
Pouches, magazine, Lewis, gun.	12 per gun.	12 per battalion.	
Slings, Lewis gun . .	1 per gun.	1 per battalion.	
Section D-1			
Bits, bridoon, P G S, I. P (a)	1 per mule	1 per mule.	
Breechings, P. G S, I P. (a)	1 per mule	1 per mule.	
Cases, accessories, Lewis, I. P . .	1 per gun mule	1 per battalion.	
Collars—			
Breast, P G S., I. P. (a)	1 per mule.	1 per mule.	
Head, P. G S., I. P .	1 per mule.	1 per mule.	
Covers, gun, Lewis	1 per gun mule.	1 per battalion.	
Cruppers, P. G S., I P. .	1 per mule	1 per mule.	
Girths, P. G S, I. P. (a)	2 per mule	2 per mule.	
Heads, bridoon, P. G S., I. P (a) .	1 per mule	1 per mule.	
Pannels, P G S., I P prs.	1 per mule	1 per mule.	
Racks, box, carrier, magazine, Lewis—			
Near . . .	1 per mule	1 per mule.	
Off . . .	1 per mule	1 per mule.	
Reins, bridoon, P G. S., I P.	1 per mule	1 per mule.	
Ropes, baggage, P G S., I. P . . prs	1 per 2 gun mules	1 per battalion	
Saddles, P. and D.—			
P. G S., I P. (a) .	1 per mule	1 per mule.	
Straps—			
Carrying, gun, Lewis—			
Fore .	1 per gun mule		
Hind .	1 per gun mule		
Girth, P G. S, I P .	4 per mule and 1 spare per section.	4 per mule and 1 spare per battalion	
Surcingles, Lewis . .	1 per mule		

(a) Sizes to be stated in demands.

APPENDIX 32—*contd.*

TABLE 2.—*Lewis gun carrying equipment for artillery units*

Description of stores	Proportion	Remarks
(i) HORSE, FIELD, MEDIUM AND ANTI-AIRCRAFT ARTILLERY.		
Section C-1.		
Boxes, carriers, magazine, Lewis ·303 in., M. G. (*b*)	7 } per 2 guns	
Carriers, magazine, Lewis, ·303-in., M. G.	14 } per 2 guns	
(ii) MOUNTAIN ARTILLERY.		
Section A-1.		
Braces, pouch, Lewis gun	2 } per gun.	
Pouches, magazine, Lewis gun	4 } per gun.	
Section C-1.		
Boxes, carriers, magazine, Lewis ·303 in., M. G.	3 } per gun.	
Carriers, magazine, Lewis, ·303-in., M. G.	6 } per gun.	
Section D-1.		
Bits, bridoon, P. G. S., I. P. (*a*)	1 } per gun.	
Breechings, P. G. S., I. P. (*a*)	1 } per gun.	
Cases, accessories, Lewis, I. P.	1 } per gun.	
Collars—		
Breast, P. G. S., I. P. (*a*)	1 } per gun.	
Head, P. G. S., I. P.	1 } per gun.	
Covers, gun, Lewis	1 } per gun.	
Cruppers, P. G. S., I. P.	1 } per gun.	
Girths, P. G. S., I. P. (*a*)	2 } per gun.	
Heads, bridoon, P. G. S., I. P. (*a*)	1 } per gun.	
Pannels, P. G. S., I. P. . . prs.	1 } per gun.	
Racks, box, carrier, magazine—Lewis—		
Near	1 } per gun.	
Off	1 } per gun.	
Reins, bridoon, P. G. S., I. P.	1 } per gun.	
Saddles, P. and D.—		
P. G. S., I. P. (*a*)	1 } per gun.	
Straps—		
Carrying gun, Lewis—		
Fore	1 } per gun.	
Hind	1 } per gun.	
Girth, P. G. S., I. P.	4 per gun and 1 per gun spare.	
Surcingles, Lewis	1 per gun.	

(*a*) Sizes to be stated in demands.
(*b*) 4 per gun for A. A. battery.

APPENDIX 32.

(Referred to in para. 313.)

Machine gun equipment.

TABLE 1.—*Lewis gun carrying equipment for infantry units.*

Description of stores.	Scale for British and Indian infantry.	Scale for Training battalions	Remarks.
Section A-1.			
Braces, pouch, Lewis gun	6 per gun.	6 per battalion.	
Pouches, magazine, Lewis, gun.	12 per gun.	12 per battalion.	
Slings, Lewis gun	1 per gun.	1 per battalion.	
Section D-1			
Bits, bridoon, P. G S, I P. (a)	1 per mule.	1 per mule.	
Breechings, P. G S., I. P. (a)	1 per mule.	1 per mule.	
Cases, accessories, Lewis, I. P	1 per gun mule.	1 per battalion.	
Collars—			
Breast, P G S, I P. (a).	1 per mule.	1 per mule.	
Head, P. G S., I P	1 per mule.	1 per mule.	
Covers, gun, Lewis	1 per gun mule	1 per battalion	
Cruppers, P. G S, I P.	1 per mule.	1 per mule.	
Girths, P G S, I P. (a)	2 per mule.	2 per mule.	
Heads, bridoon, P G. S., I. P. (a)	1 per mule.	1 per mule.	
Pannels, P G S, I P. prs	1 per mule.	1 per mule.	
Racks, box, carrier, magazine, Lewis—			
Near	1 per mule.	1 per mule.	
Off	1 per mule.	1 per mule.	
Reins, bridoon, P. G. S., I.P.	1 per mule.	1 per mule.	
Ropes, baggage, P. G. S., I. P. prs.	1 per 2 gun mules	1 per battalion	
Saddles, P. and D.— P. G. S., I P. (a)	1 per mule	1 per mule.	
Straps—			
Carrying, gun, Lewis—			
Fore	1 per gun mule		
Hind	1 per gun mule		
Girth, P G. S, I P	4 per mule and 1 spare per section.	4 per mule and 1 spare per battalion.	
Surcingles, Lewis	1 per mule		

(a) Sizes to be stated in demands.

APPENDIX 32—*contd.*

TABLE 2.—*Lewis gun carrying equipment for artillery units*

Description of stores	Proportion	Remarks
(i) HORSE, FIELD, MEDIUM AND ANTI AIRCRAFT ARTILLERY		
Section C-1		
Boxes, carriers, magazine, Lewis ·303 in., M. G (*b*)	7 } per 2 guns	
Carriers, magazine, Lewis, ·303 in., M. G.	14 } per 2 guns	
(ii) MOUNTAIN ARTILLERY.		
Section A-1.		
Braces, pouch, Lewis gun	2 } per gun.	
Pouches, magazine, Lewis gun	4 } per gun.	
Section C-1.		
Boxes, carriers, magazine, Lewis ·303 in., M. G.	3 } per gun.	
Carriers, magazine, Lewis, ·303 in., M. G.	6 } per gun.	
Section D-1.		
Bits, bridoon, P. G. S., I. P. (*a*)	1 } per gun.	
Breechings, P. G. S., I. P. (*a*)	1 } per gun.	
Cases, accessories, Lewis, I. P.	1 } per gun.	
Collars—		
Breast, P. G. S., I. P. (*a*)	1 } per gun.	
Head, P. G. S., I. P.	1 } per gun.	
Covers, gun, Lewis	1 } per gun.	
Cruppers, P. G. S., I. P.	1 } per gun.	
Girths, P. G. S., I. P. (*a*)	2 } per gun.	
Heads, bridoon, P. G. S., I. P. (*a*)	1 } per gun.	
Pannels, P. G. S., I. P. . . prs.	1 } per gun.	
Racks, box, carrier, magazine—Lewis—		
Near	1 } per gun.	
Off	1 } per gun.	
Reins, bridoon, P. G. S., I. P.	1 } per gun.	
Saddles, P. and D.—		
P. G. S., I. P. (*a*)	1 } per gun.	
Straps—		
Carrying gun, Lewis—		
Fore	1 } per gun.	
Hind	1 } per gun.	
Girth, P. G. S., I. P.	4 per gun and 1 per gun spare.	
Surcingles, Lewis	1 per gun.	

(*a*) Sizes to be stated in demands.
(*b*) 4 per gun for A. A. battery.

APPENDIX 32—*contd.*

TABLE 3.—*Lewis gun—Scale of camp equipment and line gear for mules.*

Description of stores.	Proportion.	Remarks
Section D-I.		
Bags, nose, small (a)	2 per mule.	
Blankets, saddle	1 per mule.	
Brushes—		
Harness, hard	1 per mule.	
Horse	1 per mule.	
Combs, curry	1 per mule.	
Pads, roller, G S.	1 per mule.	
Pickers, hoof, I. P.	1 per 5 mules	
Rollers, G S.	1 per mule	Peace only.
Scissors, trimming . . . prs.	1 per 10 or less mules.	
Section J.		
Buckets, water, canvas	1 per mule.	
Hammers, peg, picketing, I. P	1 per 5 mules.	
Pegs, picketing, I P, No 4	2 per mule.	
Rugs, horse	1 per mule.	
Shackles—		
I. P.—		
No. 3 or 4	1 per mule.	
No. 5	1 per mule.	
Chains—		
5-feet	1 per mule.	
Links, split	1 per 2 chains.	

(a) Includes 1 for carriage of line gear.

APPENDIX 32—*contd.*

TABLE 4.—*Lewis gun—Scale of connected equipment other than carrying equipment and spare parts.*

Description of stores.	Proportion.	Remarks
Section F.		
Holdall, canvas saddlers, (a) (b) .	1 per battalion	
Lamps, brazing, 2 pints (b) . .	1 per battalion	
Section G-1.		
Padlocks, I. G., 1½-in (c) . .	1 per gun for use with "Chest Lewis gun"	Peace only
Section L.		
Lanterns, hurricane (b) .	1 per battalion for use in lines of Lewis gun mules	

(a) For detail of contents, *see* Appendix 16, table 15
(b) Regular infantry battalions (Active and Training)
(c) Will not be issued until the existing pattern is exhausted.

APPENDIX 32—*contd.*

TABLE 5.—*Lewis gun—Scale of spare parts, tools and appurtenances.*

Description of stores.	Scale. Peace.	Scale. War.	Remarks.
Section C-1.			
Bags, spare parts and tools, M. G (*a*)	1 per gun.	1 per gun.	
Boxes, carriers, magazine, Lewis, 303-inch., M.G (*b*)	4 per gun.	4 per gun.	
Brushes, rod, cleaning cylinder, Lewis 303-in., M.G	1 per gun.	1 per gun.	
Carriers, magazine, Lewis 303 in., M. G (*b*)	2 per gun.	2 per gun.	
Cases, spare barrel and cleaning rod, 303-in., M. G.	1 per gun.	1 per gun.	
Chests, Vickers or Lewis, ·303-in., M G (*c*)	1 per gun.	1 per gun.	
Cleaners, gas regulator, Lewis, ·303-in., M. G. (*c*)	1 per 2 guns.	1 per 2 guns.	
Guns, machine—			
Lewis, ·303 in.—			
Bands, barrel	1 per 4 guns	1 per 2 guns.	
Barrels (*d*)	2 per gun (*h*)	1 per gun.	
Cylinder, gas	1 per gun	1 per gun.	
Protectors, muzzle	1 per gun	1 per gun.	
Rods, piston, No. 1	2 per gun	2 per gun.	
Mark I—			
Butts, Mk. II, normal (*e*)	1 per 2 guns	1 per 2 guns.	
Caps, butt, Mk. I*	1 per 4 guns	1 per 4 guns.	
Handles—			
Carrying, Lewis, ·303-in., M G	1 per gun	1 per gun.	
Loading magazines, Lewis, 303 in., M. G	5 per gun	5 per gun.	
Jacks, Lewis, 303-in., M. G.	1 per 4 guns or less.	1 per 4 guns or less.	
Magazines, Lewis, 303-in., M G, Mk. I, No. 6 (*g*)	26 per gun (*f*)	26 per gun (*f*).	
Magazines, part worn (for drill purposes)	3 per gun including D. P. guns.	..	
Mops rod, cleaning cylinder, Lewis, 303 in., M. G	1 per gun.	1 per gun.	
Mounts, field, Lewis, ·303-in., M. G.	1 per gun.	1 per gun.	

(*a*) For contents, *see* Table 11.
(*b*) Except artillery units referred to in table 2.
(*c*) Also 1 per D. P. gun.
(*d*) For use of mobilization barrels in peace, *see* para. 300.
(*e*) 1 per 4 guns for units proceeding overseas.
(*f*) Also 1 per 2 guns as spares for active infantry only.
(*g*) 32 per gun for the Bikaner Ganga Risala (I. S. F.).
(*h*) One carried in spare barrel case balance kept in store.

APPENDIX 32—*contd.*

TABLE 5—*concld.*

Description of stores	Scale		Remarks.
	Peace.	War.	
Section C-1—concld.			
Rods, cleaning—			
Cylinder, Lewis, 303-in., M. G. . . .	1 } per gun	1 } per gun.	
303 in., M. G. . .	1 }	1 }	
Section Q 2			
Cartridges, S. A., drill—			
·303-in., D. . . .	300 per battalion.	..	

APPENDIX 32—*contd.*

TABLE 6.—*Lewis gun—Detail of bag, spare parts and tools.*

Description of stores.	Number per bag.	Remarks.
Section B-1.		
Pull-throughs—		
Double, "B"	(a)	
Gauze, "A"	3	
Section C-1.		
Guns, machine, Lewis, ·303-in.—		
Blades, foresight—		
H.	1	
L.	1	
Bolts	1	
Casings, pinion, assembled	1	
Covers, ejector	1	
Ejectors	1	
Extractors	4(b)	
Guides, cartridge	6(c)	
Handles, cocking, No. 1	2	
Heads, screw, tangent sight	1	
Keys, gas regulator	1	
Pawls—		
Feed arm	2	
Pinion	1	
Stop magazine—		
No. 1, left	1	
No. 2, right	1	
Pins—		
Firing, striker	2	
Head, screw, tangent sight	2	
Locking body	2	
Pawl, pinion	2	
Sear	2	
Trigger	2	
Regulators, gas	1	
Sears	1	
Springs—		
Extractor (f)	4	
Head, screw tangent sight	2	
Pawl—		
Feed arm	3	
Pinion	4	
Stop magazine	3(d)	
Return	4	
Trigger	2(e)	
Strikers	2(e)	
Mark I—		
Screws—		
Butt cap	2	
Clamp, ring, No. 2	1	

(a) 1 peace, 2 war.
(b) 6 per gun if Mark I extractors are issued.
(c) 3 per gun for units proceeding overseas.
(d) 2 per gun for units proceeding overseas.
(e) 1 per gun for units proceeding overseas.
(f) For use in conjunction with Mark II extractors.

APPENDIX 32—*contd.*

TABLE 6—*contd.*

Description of stores.	Number per bag.	Remarks.
Section C-1—contd.		
Tools and appurtenances.		
Balances, spring, combination, Lewis, ·303 in., M. G. (h)	1	
[illegible]	1	
[illegible]		
[illegible]	5(g)	
Cans, oil, M. G.	1	
Guns, machine, Lewis, ·303 in.—		
Washers, packing, barrel	6	
Handles, loading, magazines, Lewis, ·303 in., M. G.	5(g)	
Mops, rod, cleaning cylinder, Lewis, ·303 in., M. G.	1(g)	
Plugs, clearing, Lewis, ·303 in., M. G.	1	
Punches, No. 3 or 4 (M. G.)	1	
Reflectors, mirror, ·303 in., M. G.	1	
Screwdrivers, small, M. G.	1	
Spanners, Lewis, ·303 in., M. G.	1	
Wallets, Lewis, ·303 in., M. G.	1	

(g) Additional to those shown in Table 10.
(h) Or balances spring, M. G.

APPENDIX 32—*contd.*

TABLE 7.—*Vickers gun carrying equipment for Cavalry units.*

Description of stores.	Scale per gun.			
	Gun set.	Ammunition set.	2nd ammunition set.	Total per set.
Section D-1.				
Bits, portmouth, reversible	1	1	1	3
Boxes, water, I P.	..	1	..	1
Breechings, P. G. S.	1	1	1	3
Caps, shovel	..	1	1	2
Cases, horse shoe, P. G. S.	1	1	1	3
Collars—				
Breast, P. G. S.	1	1	1	3
Head, S. U.	1	1	1	3
Covers, gun, Vickers	1	..	..	1
Cruppers, P. G. S.	1	1	1	3
Girths, P. G. S.	2	2	2	6
Girths, leather, P. G. S.	..	1	1	2
Hangers—				
Gun sling, cavalry	1	..	..	1
Tripod sling, cavalry	1	..	..	1
Heads, bridle, S. U.	1	1	1	3
Leggings, machine gunners	1	1	1	3
Pannels, P. G S. . . . prs.	1	1	1	3
Racks, boxes, belt, ammunition, cavalry	..	2	2	4
Reins, bit, S. U.	1	1	1	3
Slings—				
Ammunition, belt boxes, cavalry	1	..	..	1
Straps—				
Detachable, shovel	..	1	1	2
Girth, P. G. S.	4	4	4	12
Pick and helve	..	..	2	2
Trees—				
P. M. G., cavalry (*a*)	1	1	1	3
Frames	(*b*)	..	..	(*b*)
Rests	1	..	..	1

(*a*) Without rests.
(*b*) 1 per 2 guns.

APPENDIX 32—*contd.*

TABLE 8.—*Vickers gun carrying equipment for infantry units.*

Proportion for a section of 2 Vickers guns, consisting of 2 gun sets and 4 ammunition sets.

NOTE.—Spare mules are authorized the following equipment per spare mule —

Bits, bridoon, P. G. S., I. P.	1	*Heads, bridoon, P. G. S., I. P.*	1
Collars, head, P. G. S., I. P.	1	Reins, bridoon, P. G. S., I. P.	1

Description of stores	Scale per gun mule	Scale per 1st and 2nd ammunition mule of each gun	Total per section	Remarks
Section D 1.				
Bands, belly—				
P. M. G.—	1		2	
Straps—				
Long	1		2	
Short	1		2	
Supporting	2		4	
Bits, bridoon, P. G. S., I. P.	1	1	6	
Bottles, water, leather, I. P. (d)	1	1(c)	4	
Breechings, P. G. S.	1	1	6	
Collars—				
Breast, P. G. S.	1	1	6	
Head, P. G. S., I. P.	1	1	6	
Covers, gun, Vickers	1		2	
Cruppers, P. G. S.	1	1	6	
Girths, P. G. S.	2	2	12	
Hangers—				
Gun sling	1		2	
Tripod, sling	1		2	
Heads, bridoon, P. G. S., I. P.	1	1	6	
Pannels, P. G. S. prs	1	1	6	
Racks—				
Boxes, belt, ammunition, infantry—				
Near		1	4	
Off		1	4	
Reins, bridoon, P. G. S., I. P.	1	1	6	
Saddles, P. M. G., I. P.	1	1	6	
Securers, tripod, P. M. G., I. P.	1		2	
Straps (a)—				
Girths, P. G. S.	4	4	24	
Securing, Zero aiming, post		2(b)	2	
Top load, P. M. G., I. P.	1	1	6	

(a) In addition, 3 straps securing tools entrenching per section are authorised.
(b) For securing the aiming posts to the saddle of the 1st S. A. A. mule of Nos. 1 and 3 gun teams.
(c) 1 for the ammunition mules of each gun team.
(d) In the case of battalions allotted to the F. A. and C. T. the scale [illegible] 12 per battalion.

APPENDIX 32—*contd.*

TABLE 9.—*Vickers guns—Scale of equipment, other than carrying equipment for cavalry and infantry units in India.*

Description of stores.	SCALE (PEACE AND WAR).		Remarks
	Cavalry.	Infantry.	
Section B-3.			
Flannelette (a) . . yds	8 per gun .	8 per gun.	
Section C-1.			
Adapters—			
Condenser, Vickers, 303-in., M. G. . . .	1 spare per 6 guns or less.	1 spare per 6 guns or less.	
Bags, armourers, M. G., filled (h) (j) .	1 per unit .	1 per unit.	
Belts, 303 in., 250 rounds (l)	12 per gun.	16 per gun.	
Boxes—			
Belt, Vickers, M. G., No. 6, 7, 8 or 9 (l)	12 per gun.	16 per gun.	
Spare parts and tools Vickers, 303-in., M. G., filled (l) (m) .	1 per 2 guns .	1 per 2 guns.	
Cans—			
Half pint	1 per gun.	1 per gun	
Oil, M. G. (n) . . .	1 per gun.	1 per gun	
Carriers, ammunition belt box, 303 in. tripod mounting (o) .	1 per gun.	1 per gun	
Cases—			
Cans, 303 in., M. G.	(p)	(p)	
Rule, slide, M. G.	1 per slide rule	1 per slide rule.	
Spare barrel and cleaning rod, 303 in., M. G. (q)	1 per gun.	1 per gun.	
Spare parts and tools, Vickers, 303-in., M. G., filled (r) .	1 per gun.	1 per gun.	
Chests—			
Vickers or Lewis, 303 in., M. G. (s)	1 per gun also D. P. gun	1 per gun also D. P. gun.	
303 in., M. G., tripod mounting (s) . .	1 per mounting	1 per mounting.	
Condensers, steam . .	1 per gun .	1 per gun .	Without bag in case of Cav units.
Covers, case, spare parts and tools, Vickers, 303-in., M. G. (t) . . .	1 per spare parts case.	1 per spare parts case.	
Foresights, bar deflection (h)	1 per gun .	1 per gun.	
Guns, machine, Vickers, ·303 in.—			
Barrels (spare) (u) .	2 per gun (r) .	2 per gun (r) .	Peace.
	1 per gun .	1 per gun .	War.
D. P. B. (s) (h) . .	1 per 2 guns .	1 per 2 guns.	

APPENDIX 32—*contd.*

TABLE 9—*contd.*

Description of stores.	Scale (Peace and War).		Remarks
	Cavalry.	Infantry.	
Section C-1—contd.			
Guns, machine, Vickers, ·303-in.—*contd.*			
Containers, water . .	.	12 per unit	British, *for infantry* units allotted to F. A. and C. T. only.
	.	4 per unit	Indian, *for infantry* units allotted to F. A. and C. T. only.
Cones front, muzzle attachment, blank (*s*) (*h*)	1 per 2 guns	1 per 2 guns	
Cups, muzzle attachment (*o*) (*n*)	3 per 2 guns	3 per 2 guns	
Blank (*s*) (*h*)	1 per 2 guns	1 per 2 guns	
Handguards, barrel casing	1 per gun	1 per gun	
Locks—			
D. P. (*s*) (*h*)	1 per 2 guns	1 per 2 guns	
Skeleton (*s*) (*h*)	1 per unit	1 per unit Indian. 2 per unit British	
Nuts adjusting, muzzle attachment, blank (*s*) (*h*)	1 per 2 guns	1 per 2 guns	
Pins, firing, No. 2 (*o*) (*n*)	2 per gun	2 per gun	
Screws, adjusting, muzzle attachment, blank (*s*)(*h*)	1 per 2 guns	1 per 2 guns	
Lamps, aiming, M. G.		(*x*)	
Mountings, tripod, ·303 in., M. G.	1 per gun	1 per gun	
Pins, joint, crosshead (spare) (*a*)	1 per mounting	1 per mounting	
Pins, joint, elevating gear (spare) (*a*)	1 per mounting	1 per mounting	
Screws, clamp, checking travers (*a*) .	1 per 4 or less mountings	1 per 4 or less mountings	
Plugs—			
Belt, M. G. (*a*)	1 per 2 guns	1 per 2 guns	
Test adapter, condenser, Vickers, ·303 in., M. G.	(*w*)	(*w*)	Peace only
Posts, zero, M. G.	1 per gun	1 per gun	
Pouches, foresight, bar deflection (*h*) .	1 per foresight bar deflection.	1 per foresight bar deflection.	
Protractors, M. G., No. 3	3 per 4 guns	9 per unit	British.
		7 per unit	Indian.
Rods, cleaning, ·303 in., M. G.	1 per gun	1 per gun	
Rules, slide, M. G. (*f*) .	14 per unit	11 per unit	British.
	3 per unit	9 per unit	Indian.

APPENDIX 32—*contd.*

TABLE 9—*contd.*

Description of stores.	Scale (Peace and War).		Remarks.
	Cavalry.	Infantry.	
Section C-1—concld.			
Sights, night—			
Backs, Vickers, ·303-in., M. G. (h)	..	(y)	
Fore, Vickers, ·303-in., M. G. (h)	..	(y)	
Spanners, muzzle attachment, blank (z) (h)	4 per regiment	1 per 2 guns.	
Tubing condenser, steam, ·303-in. Vickers, M. G., dummy (z)	1 per gun	1 per gun.	
Section D-1.			
Bags, nose	(c)	1 per mule.	
Blankets, saddle (b)	1 per horse.	1 per mule.	
Brushes—			
Harness, hard	1 per horse.	1 per mule.	
Horse	(c)	1 per mule.	
Combs, curry	(c)	1 per mule.	
Pads, roller, G. S.	(c)	1 per mule.	
Rollers, G. S.	(c)	1 per mule.	
Scissors, trimming . prs.	(c)	1 per 10 or less mules.	
Section J.			
Axes, pick, 6¼-lb. (or 4½-lb.)—			
Heads	2 per gun.	1 per gun.	
Helves	2 per gun.	1 per gun.	
Buckets, water, canvas	1 per horse.	1 per gun.	
Covers, waterproof, 5-ft. 6-in. × 3-ft. 10-in.	1 per horse.	1 per mule.	
Hammers, peg, picketing, I. P.	..	1 per 10 or less mules.	
Hooks, bill, with case	1 per gun	1 per gun	Hooks bill, switching at present on charge will be replaced gradually by a proportionate number of "Hooks, bill, with case" when worn out.
Nets, hay	(c)	3 per section.	
Pegs, picketing, I. P.	(c)	2 per mule.	
Ropes, picketing, 9-ft.	(c)	..	
Rugs, horse	(c)	1 per mule.	
Shackles, I. P.—			
No. 3 (or 4)	..	1 per mule.	
No. 5	..	1 per mule.	
Chains—			
5-feet	..	1 per mule.	
Links, split	..	1 per 2 chains.	

APPENDIX 32—*contd.*

TABLE 9—*contd.*

Description of stores.	SCALE (PEACE AND WAR)		Remarks
	Cavalry.	Infantry	
Section J—concld.			
Shovels, G. S.	2 per gun	1 per gun	
Section Q-2.			
Luting, common (*a*) . ozs	6 per gun	6 per gun	
Section V 1.			
Cases—			
No 2 infantry rangefinder (*e*)	1 per rangefinder	1 per rangefinder	If issued with a screwdriver the screw driver shewn below will *not* be held separately
Stand, No 4 director—			
No 1 (*h*)	1 per stand No 4 director		
No. 2 (*h*)		1 per stand No. 4 director	
Clinometers, Vickers, 303 In, M. G. (*g*)	1 per gun	1 per gun	
Covers, No 2, infantry rangefinder (*e*)	1 per rangefinder	1 per rangefinder	
Directors, No. 4 (*h*)	(*i*)	(*i*)	
Frogs, stand, No. 2 infantry rangefinder (*e*)	1 per rangefinder	1 per rangefinder	
Instruments, angle of sight (*h*).	1 per 2 guns	1 per 2 guns	
Plotters, field (*h*)	1 per 4 guns or less	1 per 4 guns or less	
Rangefinders, Infantry, No. 2 (*e*)	1 per 2 guns	1 per 2 guns	
Screwdrivers, No 2 infantry rangefinder (*e*)	1 per rangefinder	1 per rangefinder	
Stands—			
No. 2, infantry rangefinder (*e*)	1 per rangefinder	1 per rangefinder	
No. 4 director (*h*)	1 per instrument angle of sight	1 per instrument angle of sight	
Section V-2			
Watches, stop, ½-second	1 per 4 guns or less.	1 per 4 guns or less	

APPENDIX 32—*contd.*

TABLE 9—*contd.*

Description of stores.	SCALE (PEACE AND WAR).		Remarks.
	Cavalry.	Infantry.	
Section W-2.			
Batteries, dry, "Y"	..	2 per aiming lamp.	
Section 11.			
Cans, lubricating, No. 9	1 per gun	1 per gun.	
Funnels, filling, cylinder No. 1	1 per gun	1 per gun.	

(a) Carried in spare parts box, case or wallet as required.
(b) The war scale of blankets is :—
Summer . . . . 1 per horse.
Winter . . . . 2 per horse.
The second blanket to complete the winter scale will be held as mobilization [illegible] force stationed [illegible]

in peace.
(d) See E. Rs. (I.), Part 2.
(e) Regular cavalry and infantry units only. 1 for M. G. C., A. F. (I.).
(f) 1 per 2 Vickers guns and 1 for M. G. Officer, A. F. (I.) units.
(g) 1 per 2 guns for A. F. (I.) units M. G. O.
(h) Regular units only.
(i) Replace "Instruments, angle of sight" when stocks permit, and when these instruments, angle of sight, on charge are worn out and stocks are exhausted.
(j) War only. For detail, *see* Table 17.
(k) 6 per gun cavalry and 8 per gun infantry, for A. F. (I.) units.
(l) [illegible] detailed below, are authorised for the

Rawalpindi Contingent	1
Assam Valley Light Horse	1
Bihar Light Horse	1
Chota Nagpur Regiment	2
1st Bn., East Indian Railway Regiment	1
1st Bn., Bengal-Nagpur Railway Regiment	1
1st Bn., Great Indian Peninsula Railway Regiment	2
1st Bn., Bombay, Baroda and Central India Railway Regiment	1
Tenasserim Battalion	1

(n) Additional to those allowed in the case spare parts and tools.
(o) Not to be taken by units proceeding overseas.
(p) 1 case per section of 2 guns to carry 2 cans, lubricating, No. 9 and 2 cans, pint, and 1 case per 4 guns to carry 4 cans, oil, M. G., as a reserve.

Appendix 32—*contd.*

Table 9.—*concld.*

(*q*) Not to be taken by infantry units proceeding overseas

(*r*) For detail of contents, *see* Table 16

(*s*) Peace only.

(*t*) The covers will be made up locally (*see* I. L. C. A-404) from materials, which will be issued free. Units which have a tailor included in their establishment, will make up the covers free of labour cost to the Government Other units may submit contingent bills for the recovery of Re 0 6 0 per cover I S Force units may submit contingent bills only for the recovery of Re. 0 6 0 per cover on account of labour charges for initial issues of material

(*u*) For use of mobilization barrels in peace, *see* para 300.

(*v*) One carried in spare barrel case and balance kept in store

(*w*) To be obtained on loan from the arsenal on which dependent

(*x*) 2 per regular infantry battalion, 1 for use in peace and 1 as mobilization equipment.

(*y*) 2 per unit peace. 1 per gun war.

(*z*) To be used whenever possible with service guns and at all times with D P guns

Appendix 32—*contd.*

TABLE 10.—*Vickers gun—Detail of contents of Boxes, spare parts and tools, Vickers, ·303-in., M. G.*

Description of stores.	Number per box.	Remarks.
Section B-1.		
Pull throughs, gauze, A . pieces	4	
Section C-1.		
Belts, ·303 in., 250 round—		
Eyelets, long . . . oz.	½	
Strips—		
Long	25	
Short	25	
Boxes, small parts, M G., No. 1 .	3	
Guns, machine, Vickers, ·303-in —		
Blocks, feed, right hand . .	2	
Bushes, axis, side levers . .	1	
Collars, roller . . .	1	
Cups, muzzle attachment . .	1	
Discs, muzzle attachment . .	4	
Fusees, with chain . . .	1	
Gibs, No. 2	1	
Levers, extractor—		
Left, No. 2	1	
Right, No. 2	1	
Packing asbestos	4	
Pins—		
Firing, No 2	2	
Fixing, crank handle . .	1	
Split—		
Bush axis, side lever . .	1	
Check nut, long . . .	3	
Collar roller, No 2 . .	2	
Muzzle attachment . .	1	
T, fixing, rear cross . . piece	2	
Trigger	1	
Tumbler	1	
Plugs, front cover catch . .	2	
Plungers, front cover catch . .	2	
Rollers	1	
Springs—		
Bottom, pawl, R. H , feed block	1	
Front cover catch . . .	2	
Gib	1	
Lock, No 2	4	
Rear cover lock	2	
Sear	2	
Top pawl, feed block, No 1 .	2	
Mark I—		
Corks for plug	1	
Glands, packing . . .	1	
Plugs—		
Cork	1	
Screwed	1	

APPENDIX 32—*contd.*

TABLE 10.—*contd.*

Description of stores.	Number per case.	Remarks.
Section C-1—concld.		
Guns, machine Vickers, ·303 in.—*concld*		
Mark I—*concld.*		
Sights—		
Fore	1	
Tangent	1	
Springs—		
Safety catch	2	
Shutter catch	2	
Tangent sight . . .	1	
Trigger bar	2	
Hammers, M. G.	1	
Mountings, tripod, ·303-in., M. G.—		
Washers, elevating, nut . .	6	
Screwdrivers, large, M. G. . .	1	
Tools, belt repairing, Vickers, ·303 in., M. G.	1	
Section F.		
Spanners, adjustable, 7 in. . .	1	
Section G-1.		
Pins, keep, split—		
⅛-in. × 2¼ in.	6	For Mark IV tripod mountings

APPENDIX 32—*contd.*

TABLE 11.—*Vickers gun—Detail of contents of Cases, spare parts and tools, Vickers, ·303-in., M. G., filled.*

Description of stores.	Number per case	Remarks.
Section C-1.		
Balances spring, M. G.	1	
Cans, oil, M. G.	1	
Guns, machine, Vickers, ·303-in.—		
Locks	1	
Springs, fuzee, with fittings	1	
Plugs, clearing, Vickers, ·303-in., M. G.	1	
Tools, combination, Vickers, ·303-in., M. G.	1	
Wallets, Vickers, ·303-in., M. G., empty	1	Contents as detailed below.
Detail of contents of wallets Vickers, ·303-in., M. G.		
Section B-1.		
Pull throughs—		
Double, "B"	(a)	
Gauze, A . . . pieces	2	
Section C-1.		
Guns, machine, Vickers—		
·303-in.—		
Cups, muzzle attachment, ball	1	
Discs, muzzle attachment, ball	1	
Fuzees, with chain	1	
Gibs, No. 2	1	
Pins, firing, No. 2	1	
Pins—		
Trigger	1	
Tumbler	1	
Sears	1	
Springs—		
Gib	1	
Lock, No. 2	2	
Triggers	1	
Tumblers	1	
Washers, adjusting—		
No. 1	3	
No. 2	3	
Guns, machine, Vickers, ·303 in., Mark I., cork for plug	1	
Protectors, muzzle, Vickers, ·303 in., M. G.	1	

(a) 1 peace and 2 war.

APPENDIX 32—*con'd.*

TABLE 11.—*concld.*

Description of stores	Number per bag	Remarks
Detail of contents of wallets Vickers, ·303-in., M. G.—concld		
Section C-1—concld		
Punches—		
No. 3, M. G.	1	
No. 5, M. G.	1	
Reflectors, mirror, ·303-in., M. G. .	1	
Screwdrivers, small, M. G. .	1	
Section F.		
Pliers, side cutting, 6-in. . prs.	1	
Section G-1.		
Pins, keep, split—		
¼-in. × 2¼-in. . .	3	For Mk. IV tripod mountings

APPENDIX 32—*contd.*

TABLE 12.—*Vickers gun—Detail of Bags, armourers, M. G., filled.*

NOTE.—Tools marked with symbol (*a*) will not be held in peace but will be found on mobilization from the armourers tools authorized as peace equipment. (*Vide* Appendix 9.) Items not marked with the symbol (*a*) are mobilization equipment items.

Description of stores	Number per bag.	Remarks.
Section B-3.		
Drifts, armourers—		
No. 2	1(*a*)	
No. 5, small	1(*a*)	
Pincers, armourers . . prs.	1	
Screwdrivers, armourers—		
Large	1	
Small	1	
Sticks, carborundum	1	
Section C-1.		
Bags, armourers, M. G. (empty)	1	
Balances, spring, M. G.	1	
Hammers, M. G.	1	
Punches, snap	2(*a*)	
Tools, repairing, mounting tripod, ·303-in., M. G.—		
Punching swagging—		
Plain	1(*a*)	
Ring	1(*a*)	
Section F.		
Files—		
Bastard, flat, 6-in.	1(*a*)	
Round, 6-in.	1	
Smooth—		
Flat, 6-in.	1	
Half-round, 8-in.	1(*a*)	
Pillar, 5-in.	1(*a*)	
Files, handles, small	4(*a*)	
Mallets, raw hide	1	
Pliers, sidecutting, 8-in. . . prs.	1	
Cutters	2	Spare.
Spanners, adjustable, 7-in.	1	
Vices, hand, 5-in.	1	
Section H-1.		
Cloth, emery, No. F . . sheets	1	

APPENDIX 32—*contd.*

TABLE 13.—*Scale of material for the maintenance of machine guns and accessories.*

NOTE 1.—The quantities shown in column 3 will be supplied as a first issue and maintained subsequently from the annual allowance

2.—The scales in this table apply also to A. F. (I.) and I. T. F. units in possession of machine guns.

Description.		Annually per gun	Reserve material for service (Per gun.)	Remarks
Section B-3.				
Flannelette . . .	yds.	10(*a*)	10	
Section C-1				
Rods, twisted, copper wire, Mark I		1 per 6 guns or less	1	
Section H-1				
Dubbing (*b*) .	lb	0·4	0·2	
Mineral jelly, red	"	2	1	
Oil, lubricating, mineral, G. S.	pts.	8(*a*)	4	
Soap, yellow (*b*)	bars	3	2	
Turpentine	pts	1	½	
Section H-2				
Cotton, waste, coloured	lb	4	2	
P and S Group				
Dosootie, old .	lb.	3	1·5	

(*a*) In the case of cavalry regiments and infantry battalions, 10 pints of oil and 15 yards of flannelette are authorised.

(*b*) For machine guns in defences only

APPENDIX 32—*concld.*

TABLE 14.—*Machine guns and mounts and mountings, for drill purposes.*

Units.	SCALE.			
	Lewis.		Vickers	
	Mounts, Mk. III.	D. P. Guns.	Mountings, D. P.	D. P. Guns.
Royal Artillery batteries—				
Anti-air craft	2	2	..	..
Field	1	1	..	..
Horse	1	1	..	..
Medium	1	1	..	..
Light and Mountain	1	1	..	..
Mountain Artillery Training Centre	1	1	..	..
Cavalry regiments—				
British	..	..	6	6
Indian	..	..	2	2
Infantry battalions—				
British	9	9	6	6
Indian (active)	9	9	3	3
Indian (training companies)	1	1	..	..
Gurkha training	1	1	..	..
Small Arms School—				
Pachmarhi Wing	53	53	..	..
Ahmednagar Wing	..	..	18	27
Royal Tank Corps—				
Armoured Car Companies	..	..	..	16
School	..	..	..	11
British Infantry Training Company, 10th Battalion, 17th Dogra Regiment	..	..	2	2
Auxiliary Force (India)	58	350	..	77
Indian States Forces, Classes 'A' and 'B'	As notified from time to time.		1 per D. P. Gun.	1 per 2 service guns.

NOTE (i).—The mounts, field, ·303-inch, M. G., Mark III, on charge for use with D. P. Lewis guns will be maintained in a serviceable condition.

(ii).—Skeleton magazines and unserviceable barrels are authorised on the scale of 1 per D. P. Lewis gun.

(iii).—Components necessary for the maintenance of D. P. machine guns and D. P. mountings will, as far as possible, be obtained by utilizing components condemned as unfit for use in service guns or mountings. Components required for the upkeep of D. P. guns and D. P. mountings which cannot be made available from condemned components of service guns and mountings will be obtained from the I. A. O. C.

(iv).—Except in the case of unimportant components which are classed as petty stores (*see* Appendix 35) permission to retain components for maintenance of D. P. guns and mountings will be obtained on I. A. F. Z-2098 from Chief Ordnance Officers.

(v).—To avoid mixing them with service components D. P. components will be stamped "D. P." where space permits.

(vi).—In the case of the Mountain Artillery Training Centre the following items are also authorized:—

3 Magazines, Lewis, ·303 inch, M. G., D. P.

1 Chest, Vickers or Lewis, M. G.

APPENDIX 33

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 33.

(Referred to in para. 37.)

Cooking utensils for Indian troops.

TABLE 1.—*Scale.*

NOTE.—Details of items comprising sets of cooking utensils for Indian Troops are given in Table 2.

Units.	45 MEN SETS.		4 MEN SETS.		Remarks.
	Peace.	War.	Peace.	War.	
Headquarters, Mountain Brigade, R. A.	..	..	5	2	
Headquarters, Field Brigade, R. A. (Horsed)	..	..	3	3	
Headquarters, Medium Brigade, R. A.	1	1	6	4	
British 3 7-in. Mountain Battery, R. A.	4	4	..	..	
Indian 3 7-in. Mountain Battery, R. A.	6	5	..	..	
R. H. A. Battery	2	1	..	4(g)	
Field Battery, R. A. (Horsed)	1	1	..	..	
Medium Battery, R. A.	1	1	..	..	
Divisional Ammunition Column—					
(Mechanized)	3	3	..	..	
(Horsed)	2	2	..	..	
Field Ammunition Column (Mechanized).	1	1	1	1	
Royal Artillery Training Centre	12	(e)	3	(e)	
Mountain Artillery Training Centre.	18	(e)	3	(e)	
Frontier Posts (c), (h)	4	4	53	53	
British Cavalry	..	..	3	3	
Indian Cavalry]	11	10	(a)	(a)	
Signal units	..	..	(f)	(f)	
Indian other ranks of British Infantry battalion.	..	..	10	10	

APPENDIX 33—*contd.*

TABLE 1.—*Scale*—concld.

Units	45 MEN SETS.		4 MEN SETS.		Remarks.
	Peace	War	Peace	War	
Indian Infantry—					
(Active battalions) .	10	10	(a)	(a)	
(Gurkha training company) .	4	4	.		
Indian other ranks of units other than those enumerated above	(b) (d)	(b)	(a)	(a)	

(a) Actual requirements as decided by the Officer Commanding, up to a maximum of 10 sets.

(b) One set per 45 men and one set per 20 men or more, after the unit has been equipped in multiples of 45

(c) For Shabqai the following articles will be issued in addition —
Utensils cooking, I T, 45 men set—

Tawah	1
Degchie, 13"	1
Lid	1
Degchie, 10"	1
Lid	1
Parat, large	1

(d) Three additional sets for the Indian infantry training battalion responsible for the supply of drafts to the active battalion stationed at Drosh or Chitral On return of the active battalion to India the three sets will be retained by the training battalion and utilized to replace condemnations until the normal authorised proportion is reached

(e) As laid down in War Equipment Tables concerned.
(f) 1 per 4 Indian other ranks
(g) For a 6 gun battery only
(h) Distributed as follows .—

	45 men sets	4 men sets.
Kohat	2	
Fort Lockhart		5
Thall		5
Landikotal	1	
Shabqai		3
Malakand	1	
Chakdara		3
Bannu H. Q		3
Saidgai		4
Mir Ali		4
Damdil		4
Razani		4
Quetta H Q		1
Chaman		5
Hindu Bagh		5
Fort Sandeman		5
TOTAL	4	53

APPENDIX 33—*concld.*

TABLE 2.—*Detail of items comprising sets.*

Items.	Number to a set.	Remarks.
Utensils, cooking—		
Indian troops—		
45-men set—		
Pannier (a)	..	1 pannier allowed for 2 sets of utensils with tawahs.
Chamcha, Mark II	4	
Degchies—		
13 in.	1	
Lid.	1	
12 in.	1	
Lid.	1	
11-in	1	
Lid.	1	
10-in.	1	
Lid.	1	
9 in.	1	Additional for rice-eating battalions.
Lid.	1	
8 in	1	
Lid.	1	
Katorah	4	
Parat	4	
Tawah	1	Iron, oval, 30 inches × 15 inches.
4 men set—		
Chamcha	1	
Cover	1	
Degchies—		
Large.	1	
Lid.	1	
Medium	1	
Lid.	1	
Small	1	
Lid.	1	
Katorah	1	
Lotah	1	
Parats—		
Large.	1	
Medium	1	
Small	1	
Strap	1	
Tawah	1	

(a) Not admissible to Indian Infantry Training Battalion.

APPENDIX 34

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 34.

(Referred to in para. 37.)

Scale of Bicycles for units, etc.

(Under revision.)

APPENDIX 35

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 35—*contd.*

SECTION B 1—*concld.*

Rifles and bayonets, etc —contd.

Springs—
- Auxiliary, magazine, No. 1, "B".
- Band, inner.
- Extractor, No. 1.
- Screw, windgauge, No. 1.
- Sear.
- Stud, fore end.
- Windgauge, No. 1.

Studs—
- Clip stop, No. 1.
- Fore end.

Swivels—
- Band.
- Piling, "A".

Wads, No. 1.

Washers—
- Bolt, stock, No 1
- Pins, No 1
- Spring, bolt, locking, No 1

Miscellaneous –
- Bottles, oil, stoppers.
- Bayonets, No 1—
  - Bolts.
  - Grips, pairs.
  - Nuts
  - Screws, grip.
  - Springs, bolt.
- Scabbards, bayonet, No 1.
  - Chapes.
  - Laces—
    - Long.
    - Short.
- Pullthroughs, cords

SECTION B-4

Blocks, catch, lever, M. H

Nuts, screw, band, M H.

Screws—
- Indicator, M. H.
- Stop, nut, M. H.

Stop, band—
- Lower, M H
- Upper, M. H.

Studs, barrel, M. H.

APPENDIX 35—*contd.*

SECTION B-2.

Pistols, revolver, No. 1—
- Cup, countersunk.
- Nuts—
  - Extractor.
  - Screw, stock.
- Pins—
  - Stock.
  - Swivel, butt.
- Screws—
  - Cam, cylinder.
  - Catch—
    - Barrel.
    - Hammer.
  - Fixing, lever, cam.
  - Guard.
  - Hammer.
  - Lever, cam.
  - Pin, joint.
  - Shield
  - Spring, stop, trigger.
  - Stock.
  - Swivel, hammer.
- Stock, sides—
  - Left.
  - Right.
- Swivels—
  - Butt.
  - Hammer.
- Wire.
- *Miscellaneous—*
  - Scabbards, sword—
    - Screws, mouthpiece.

SECTION B-3.

- Tools, cleaning, brushes.

SECTION C-1.

Belts, ·303 in., 250 rounds—
- Eyelets—
  - Long
  - Short.

APPENDIX 35—*contd.*

SECTION C-1—*concld.*

Belts, ·303 in., 250 rounds—concld.
- Strips—
  - Long.
  - Short.
- Webbing.

Boxes—
- Casing, return spring, Lewis, ·303 in., M. G.
- Small parts, M. G., No. 1.

Brushes, rod, cleaning cylinder, Lewis, ·303 in., M. G.

Guns, machine—
- Lewis, ·303 in.—
  - Casing, pinion, assembled.
  - Pins—
    - Axis, tangent sight.
    - Fixing—
      - Rack, piston rod.
      - Striker.
    - Head, screw, tangent sight.
    - Hinge, pinion casing.
    - Keeper—
      - Axis, pin, tangent sight
      - Butt, catch.
    - Pawl pinion
    - Sear
    - Trigger.
  - Springs
    - Butt, catch
    - Head, screw, tangent sight.
    - Pawl—
      - Feed arm.
      - Pinion
    - Washers—
      - Packing barrel
      - Pin, axis, tangent sight.
- Lewis, ·303 in., Mk. I—
  - Screws—
    - Bracket, swivel butt.
- Vickers, ·303 in.—
  - Discs, muzzle attachment, ball
  - Packing, asbestos.
  - Pins—
    - Axis—
      - Bottom pawl, R. H. feed block
      - T

APPENDIX 35—*contd.*

SECTION C-1—*contd.*

Guns, machine—concld.

Vickers, ·303-in.—concld.

Pins—*concld.*

Crank.

Fixing—

Crank handle.

Crank pin.

Keeper, check lever.

Split—

Bush, axis, side lever.

Checknut, long.

Collar, roller, No. 2.

Front cover catch.

Levers, feed block.

Muzzle attachment.

Trigger.

Tumbler.

Washers, adjusting—

No. 1.

No. 2.

Vickers, 303-in., Mk. I—

Corks for plugs.

Pins, fixing, cork plug.

Mops, rod, cleaning cylinder, Lewis, ·303-in., M. G.

Mountings, tripod, ·303-in., M. G., Mk. IV—

Chains, pin joint—

Crosshead.

Elevating gear.

Pins, split (of sorts).

Washers, elevating nut

Mounts, field Lewis, ·303 in., M. G.—

Clips, legs.

Nuts—

Bolt, clip, legs

Wing.

Pins, split, screw, hinge, legs.

Screws—

Clamping, legs.

Gun band.

Hinge, legs.

Deflectors, mirror, ·303 in., M. G.—

Chains.

Mirror.

APPENDIX 35—*concld.*

SECTION 01—*concld.*

Rods—
- Cleaning—
  - ·303 in., M. G., bushes.
- Twisted, copper wire.

SECTION 16-B.

Guns, maxim—
- Packing, asbestos, piece, 11" long.
- Pins, fixing—
  - Axis, pin.
  - Check, lever, collar.
- Washers, Nos. 1, 2, 3 and 4.

Guns, maxim, ·303-in.—
- Pins—
  - Axis—
    - Lock spring.
    - Sear.
    - Trigger and tumbler
  - Fixing—
    - Extractor spring.
    - Fusee chains.

APPENDIX 36

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 36.

(Referred to in para. 100.)

List of stores, the registered numbers of which will be recorded in a manuscript list to be kept at the end of the equipment ledger.

SECTION B-2.

Pistols.

SECTION C-1.

Guns, machine—
- Hotchkiss, ·303-in.
- Lewis, ·303 in.
- Vickers, ·303 in.

} And all components thereof which bear registered numbers.

SECTION F.

Tachometers

SECTION V-1.

Apparatus, illuminating, sights.
Binoculars
Cases, stand director.
Clinometers.
Directors.
Lath, adjusting artillery, rangefinders.
Periscopes.
Plotters, field.
Rangefinders—
- Artillery.
- Infantry.
- Depression.

Sights, dial.
Stands—
- Artillery rangefinder.
- Signalling telescope.
- Stereoscopic telescope.
- V. P. telescope.

Telescopes—
- Sighting.
- Signalling.
- Stereoscopic.
- Variable power.

SECTION V-2.

Alidades, telescope.
Barometers—
- Aneroid.
- Stand.

Clinos.
Compasses—
- Liquid.
- Magnetic, pocket.
- Prismatic.
- Prismatic, liquid.

Levels, telescopic
Sextants, pocket.

APPENDIX 36—*concld.*

SECTION V-2—*contd.*

Theodolites, transit.
Watches.

SECTION W-2.

Bridge-megger, 510 volts, 40 megohms.
Coils, resistance.
Exploders, dynamo.
Galvos.
Volt-ammeters.

SECTION X.

Generating sets (engine, magneto and dynamo numbers).

SECTION Z.

Amplifiers
Compasses, Magnetic, W. T.
Measuring sets—
 Aerial.
 Inductance.
Oscillators, C. W. valve.
Reception sets.
Wavemeters.
W. T. sets.

APPENDIX 37

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 37.

(Referred to in para. 37.)

Scale of Vehicles Authorized for units other than mechanized units u… station stores for Regimental Transport Work.

NOTE 1.—For connected equipment and spares, etc., *see* Appendices "37-A" and "37-B".

2.—The carts will be used for all regimental transport work. On mobilization both the carts and the draught gear will be returned to the nearest arsenal except in case of units allotted to the Covering Force and Internal security and training duties which will retain them at the discretion of G. O. C. District concerned.

3.—Cavalry regiments may, if they so desire, draw three caissons with limbers Q. F. 13 and 18-Pounder, with articles of connected equipment as detailed in Appendices 37-A and 37-B, in lieu of the eight transport carts.

—	A. T. Carts.	Caissons.	G. S. Wagons.
British Infantry	10	..	..
Indian Infantry	10	..	..
British Cavalry	8 or	3	..
Indian Cavalry (a)	8 or	3	..
Corps Hdqrs., Royal Bombay Sappers and Miners.	6 (c)	..	..
Field Company, Sappers and Miners	4	..	..
Field Troops, Sappers and Miners	2	..	..
R. A. Mountain Batteries	3	..	..
R. A. Mountain Artillery Brigade H. Q.	1	..	..
Indian Infantry—			
Training Battalions at Ajmer, Nasirabad, Karachi and Lansdowne.	1	..	..
Other training battalions	2	..	..
R. H. A. Batteries	..	..	3 (b)
R. A. Field Batteries (Horsed)	..	..	2 (b)
Mountain artillery training centre	11	..	..
Divisional signals	6	..	..
Corps signals	4	..	..
District signals	4	..	..
Cavalry brigade signals	2	..	..
Small arms school, Pachmarhi Wing	3	..	..
" " " Ahmednagar Wing	10 (d)	..	..

(a) 2 additional A. T. carts will be issued to the officer-in-charge Indian … detachment at Calcutta.

(b) No harness will be issued with the 3rd wagon of R. H. A. batteries and the 2nd wagon of R. A. Field batteries. These wagons will not be replaced when surplus wagons in stock are used up.

(c) Without harness, detailed in Appendix 37A.

(d) Includes 6 issued on loan under arrangements made by the Q. M. G. in India.

APPENDIX 37-A

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 37-A.

(Referred to in para. 37.)

Scale of Harness and Saddlery additional to unit equipment for use with Vehicles detailed in Appendix 37.

Articles.	Proportion.		Remarks
	Per caisson and G. S. wagon (a).	Per A. T. cart.	
Section D-I.			
Bits—			
H. M. D., I. P. (c)	..	2	
Portmouth, reversible (b)	4	..	
Blankets, saddle	2	..	
Breechings—			
H. P. D., I. P.	2	..	
P. G. S., I. P. (b)	..	2	
Collars—			
Breast—			
H. P. D.	4	..	
H. M. D., I. P. (b)	..	2	
Head—			
P. G. S., I. P. (c)	..	2	
S. U. (b)	4	..	
Cruppers, P. G. S., I. P. (b)	..	2	
Girths—			
P. G. S., I. P. (b)	..	4	
S. U.	2	..	
Heads, bridle, S. U. (b)	4	..	
Leathers, stirrup, S. U.	4	..	
Leggings, drivers	2	..	
Neckpieces, pole bar	2	..	
Pads, collar (b)	2	..	
Pannels—			
P. G. S., I. P. (b) . prs.	..	2	
S. U., I. P.—			
Near	2	..	
Off	..	..	
Reins—			
Bit, S. U.	4	..	
Driving, H. M. D., I. P. . prs.	..	1	
Rods, connecting, H. M. D., I. P.	..	1	
Ropes, loading, 60 ft.	..	1	
Saddles—			
P. & D., P. G. S., I. P. (b)	..	2	
S. U. pattern, '02, I. P. (b)	2	..	
Stirrups, steel (b)	4	..	

(a) Only for Artillery units and Cavalry regiments who have these vehicles on charge.
(b) Sizes to be stated in demands.
(c) Cavalry units with A. T. carts will hold bits, portmouth, reversible and collars, head, S. U., Mk. IV in lieu.

APPENDIX 37-A—*concld.*

Articles.	Proportion.		Remarks
	Per caisson and G. S. wagon (a).	Per A. T. cart.	
Section D 1—concld.			
Straps—			
Baggage . .	6	.	
Collar, pad	4	..	
Girth, P. G. S., I. P. (b)	..	8	
Hip, long, wheel prs	2	.	
Loin, lead . . .	2	..	
Neck, I. P. . .	4	..	
Supporting trace, H. M. D., I. P.	..	4	
Surcingles, S. U. .	4	..	Sizes to be stated in demands.
Swivels, saddle, P. & D.	..	2	
Traces—			
Wire—			
H. M. D., I. P.—			
Near . .	.	2	
Off	.	2	
Long—			
Near . .	4	..	
Off . . .	4	..	
Short . prs	2	..	
Tugs, neckpiece .	2 (d)	..	
Whips, drivers . .	2	..	
I. P.	.	1	

(a) Only for Artillery units and Cavalry regiments who have these vehicles on charge.
(b) Sizes to be stated in demands.
(d) For vehicles with No. 7-A draught pole.

APPENDIX 37-B

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 37-B.

(Referred to in para. 37.)

Scale of spares, cleaning materials and connected equipment for use with the vehicles detailed in Appendix 37.

Stores.	Per Caisson.	Per A. T. Cart.	Remarks.
Section E-1.			
Bars, curricle	..	1 and 1 per unit spare.	
Pins, linch—			
2nd class, "G"	2 per 3 or less	..	
Mk. III, No. 203, special axle-tree	..	1 } per unit.	
Poles, draught, I. P., No. 10	..	1 } per unit.	
Seats, drivers, cart, transport	..	1 and 1 per unit spare.	
Wood	..	1 per or less number of carts on charge.	N. I. V.
Spanners, dust cap, No. 202, special wheel	..	1 per 5 A. T. carts.	
Swingletrees—			
No. 11	1	..	
Carts transport	..	2 and 1 per unit spare	
Swivels, pole	..	1 and 1 per 3 or less number of carts on charge.	
Washers, drag, 2nd class, "G"	2 per 3 or less	..	
Wheels, special, No. 202	.	1 per unit.	
Section F.			
Spanners, adjustable, 11 in.	..	1 per 5 carts or less.	
Section G-1.			
Bolts (with nuts), hexagon head—			Note.—New pattern bolts, nuts and rivets will not be issued until stocks of obsolescent stores have been used up.
[illegible]-in. × 1[illegible] in.	..	10 (a)	
[illegible] in. × 2[illegible]-in.	..	1 (a)	
[illegible] in. × 4[illegible] in.	..	1 (a)	
[illegible] in. × 3[illegible]-in. special	..	10 (a)	
[illegible]-in. × 3[illegible] in.	..	1 (a)	
[illegible] in. × 6[illegible]-in.	2	..	
Nuts, hexagon—			
[illegible] in.	..	2 (a)	
1 in.	..	2 (a)	

(a) Per unit with A. T. carts on charge.

APPENDIX 37-B—*concld.*

Stores.	Per Caisson	Per A. T Cart	Remarks
Section G-1—concld			
Pins, keep, split—			
3/16 in. × 1½ in . .	2	2 (a)	
¼ in × 2 in . .	..	2 (a)	
Rivets, steel, bosshead—			
3/16-in. × ½-in. . .		1 (a)	
¼ in × ½-in . .	..	4 (a)	
¼ in × ¾ in. . .	..	2 (a)	
¼ in. × 2 in. .	..	12 per spare drivers seat	
¼ in × 3 in. . .	3	16 (a)	
⅜ in. × 1-in. . .	..	2 (a)	
⅜ in × 1½ in . .	..	14 (a)	
½-in × 2 in . .	3		
Washers, bolt, screw or rivet—			
¼-in. hole . . .	.	2 (a)	
⅜-in hole . . .	..	2 (a)	
½-in. hole . . .	..	2 (a)	
1-in hole . . .	..	2 (a)	
Section H 1			
Grease, lubricating . lb	12	6	Annually
Section H.			
Bars, supporting, draught pole, No 3 .	1		
Bolts, ¾ in tyre, 3/16 in thread 3 11/16 in	2		
Keys, split, flat, 1 in. × 4 in.	1 per 3 or less		
Pins, draught, No 3			
Poles, draught, No 18			
Wheels, 2nd class, "C", No 42, I P.			

(a) Per unit with A T carts on charge.

APPENDIX 38

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 38.

(Referred to in para. 326)

Scale of stores authorised annually for marking packages, etc.

Items.	Batteries, Royal Artillery.	Divisional or Field Ammunition Columns.	Small Arms School, Pachmarhi Wing.	Equitation School.	Regiments of Cavalry.	Battalions of Infantry and Companies of Indian Hospital Corps.	Corps, Wireless Companies, Corps Line Signal Companies, Divisional Signal Companies.	Depôts	
								Indian Cavalry.	Indian Infantry.
Section F.									
Brushes—									
Stencil . . .	2	2	1	2	6	8	2	4	6
Writing duck . .	2	2	1	2	4	6	2	3	4
Plates, stencil, zinc, 1½ in letters, "A" to "Z" (b) . sets	1	1	1	1	1	1	1	1	1
Section H.1.									
Composition, sealing . . . . lb	2	2	1	6	6	8	2	4	6
Oil, linseed, boiled galls.	0·3	0·3	0·1	0·6	0·6	1·0	0·3	0·4	0·6
Paint—									
Black, marking lb.	8	8	3	15	20	30	8	15	20
White, lead, genuine . „	6	6	2	10	12	18	6	10	15
Pitch, coaltar (a). cwts.	0·1	0·1	0·1	0·2	0·2	0·2	0·1	0·1	0·1
Turpentine . galls.	0·3	0·3	0·1	0·6	0·6	1·0	0·3	0·4	0·6

(a) Units in arsenal or clothing depôt stations will demand only actual requirements subject to the limit of scales authorised.

(b) The life of a set of stencil plates is 12 years. These articles will not be issued annually.

APPENDIX 39

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 39.

(Referred to in para 316.)

Abbreviated titles of units, etc., to be used in marking small arms and regimental equipment.

CORPS.	ABBREVIATED TITLE.
British Cavalry—	Number of regiment (or numbers of amalgamated regiments) followed by—
Dragoon Guards	D. G.
Dragoons	D.
Lancers	L.
Hussars	H.
Indian Cavalry—	
Skinner's Horse (1st D. Y. O. Cavalry)	1 H.
2nd Lancers (Gardner's Horse)	2 L.
3rd Cavalry	3 C.
Hodson's Horse (4th D. C. O. Lancers)	4 H. H.
Probyn's Horse (5th K. E. O Lancers)	5 H.
6th (D C. O.) Lancers	6 L.
7th Light Cavalry	7 C.
8th (K. G. O.) Light Cavalry	8 C.
The Royal Deccan Horse (9th Horse)	9 H.
The Guides Cavalry (10th Q V. O. F. F.)	10 C.
P. A. V. O. Cavalry (11th F. F.)	11 C.
Sam Browne's Cavalry (12th Frontier Force)	12 C.
13th D. C. O. Lancers	13 L.
Scinde Horse (14th P. W. O. Cavalry)	14 S. H.
15th Lancers	15 L.
16th Light Cavalry	16 C.
The Poona Horse (17th Q V. O. Cavalry)	17 H.
18th (K. E. O.) Cavalry	18 C.
19th (K. G. O.) Lancers	19 L.
20th Lancers	20 L.
The Central India Horse (21st K. G. O. Horse)	21 H.
Body Guards	B. G.
Regular Artillery Brigades—	
For Field	Fd. Bde.
„ Mountain	Mtn. Bde.
„ Medium	M. Bde.
„ Heavy	Hy. Bde.
Batteries of Artillery—	Battery letter or number followed by—
Anti-Aircraft	A. A. R. A.
Royal horse	R. H. A.

APPENDIX 39—*contd.*

CORPS	ABBREVIATED TITLE.
Batteries of Artillery—*concld.*	Battery letter or number followed by—
Field	Fd. R. A.
Medium	M. R. A
Mountain	Mtn R. A
Heavy	Hy R. A
Station Staff of Depôts and Forts	S. S. with number of set below.
Frontier Brigade R. A.	F. B. R. A
Royal Artillery Training Centre	R. A. T. C.
Mountain Artillery Training Centre	M. A. T. C.
British Infantry Regiments—	The unit † number followed by—
Royal Scots	R. S.
The Queen's Royal (West Surrey)	W. Sr
The Buffs (East Kent)	Buffs
King's Own Royal (Lancaster)	Lan
Northumberland Fusiliers	N. F.
Royal Warwickshire	Wk
Royal Fusiliers	R. F.
King's (Liverpool)	Ll
Norfolk	Nk
Lincolnshire	Lin
Devonshire	Dvn
Suffolk	Sk
Somersetshire Light Infantry	Sl
West Yorkshire	W. Y.
East Yorkshire	E. Y.
Bedford and Hertfords	[illegible]
Leicestershire	Lec
Green Howards	Y. K.
Lancashire Fusiliers	L. F.
Royal Scots Fusiliers	S. F.
Cheshire	Ch
Royal Welsh Fusiliers	W. F.
South Wales Borderers	S. W. B.
King's Own Scottish Borderers	K. O. S. B.
Cameronians (Scottish Rifles)	S. R.
Royal Inniskilling Fusiliers	In. F.
Gloucestershire	Gr
Worcestershire	Wr
East Lancashire	E. L.
East Surrey	E. Sr
Duke of Cornwall's L. I.	Cl.

APPENDIX 39—*contd.*

Corps.	Abbreviated title.
British Infantry Regiments—*concld.*	The unit† number followed by—
Duke of Wellington's (West Riding)	W. Rid.
Border	Br.
Royal Sussex	Sx.
Hampshire	Hts.
South Staffordshire	S Stf.
Dorsetshire	Dt.
Prince of Wales Volunteers (South Lancashire)	S. L.
Welch	Wel.
Black Watch (Royal Highlanders)	R. H.
Oxfordshire and Buckinghamshire L. I.	Ox.
Essex	Ex.
The Sherwood Foresters	Fors
Loyal (North Lancashire)	N. L.
Northamptonshire	Nn.
Royal Berkshire	Brk.
Royal West Kent	W. Kt.
King's Own Yorkshire L. I.	K. O. Y. L. I.
King's Shropshire L. I.	Sh.
Middlesex	Mx.
King's Royal Rifle Corps	K. R. R.
Wiltshire	Wts.
Manchester	Man.
North Staffordshire	N. Stf.
York and Lancaster	Y. and L.
Durham L. I.	Dm.
Highland L. I.	H. L. I.
Seaforth Highlanders	Sea.
Gordon Highlanders	Gor.
Queen's Own Cameron Highlanders	Cam.
Royal Ulster Rifles	R. U. R.
Royal Irish Fusiliers	I. F.
Argyll and Sutherland Highlanders	A. and S. H.
Rifle Brigade	R. B.
Royal Tank Corps—	Number followed by—
Armoured Car Company	A. C. C. R. T. C.
Light Tank Company	L. T. C. R. T. C.
Centre	R. T. C. C.

† The meaning of the term "unit" is as defined in the definitions, except that in the case of sappers and miners it means a corps and in the case of an Indian Infantry Corps having more than one battalion, the corps and the battalion.

APPENDIX 39—*contd.*

Corps.	Abbreviated title.
Sappers and Miners—	Unit number or letter followed by—
Army Troops Company	A T S. M
Chitral Section	C. S S M.
Defence Light Section, Bombay	B D L. S.
" " " Calcutta	C D. L. S.
" " " Karachi	K. D L. S
Depôt Company	D C S M
Divisional Headquarter Company	D H S M.
Field Company	C S M.
Field Troops	F T S. M
Printing Section	P S S M
Litho Section	L. S S M.
Indian Infantry—	The Battalion number and unit number thus "1 2" followed by—
Punjab Regiment	P
Madras "	M
Bombay Grenadiers	B G
Mahratta Light Infantry	M L. I
Rajputana Rifles	R. R
Rajput Regiment	R
Jat Regiment	J
Baluch Regiment	B
Sikh Regiment	S
Frontier Force Regiment	F F
" " Rifles	F F R
Dogra Regiment	D
Royal Garhwal Rifles	R. G R.
Hyderabad Regiment	H
Burma Rifles	B R
Gurkha Rifles	G R.
British Envoy Escort, Nepal	N E.
Indian Signal Corps—	Unit letter followed by—
Divisional Signals	D S
Cavalry Brigade Signal Troops	C B S
Corps Signals	C S
Signal Training Centre (India)	S T C
Peshawar District Signals	P D S
Kohat District Signals	K D S
Waziristan District Signals	W D S
Auxiliary Force Units—	
(Cavalry)	
Bihar Light Horse	B L H
Calcutta Light Horse	C L H

APPENDIX 39—*contd.*

Corps.	Abbreviated title.
Auxiliary Force Units—*contd.*	Unit letter followed by—
(Cavalry)—*concld.*	
Surma Valley Light Horse	S. V. L. H.
Assam Valley Light Horse	A. V. L. H.
United Provinces Horse (South Regiment)	S. / U. P. H.
Bombay Light Horse	Bo. L. H.
Northern Bengal Mounted Rifles	N. B. M. R.
Punjab Light Horse	P. L. H.
Southern Provinces Mounted Rifles	S. P. M. R.
Chota Nagpur Regiment	C. N. R.
(Artillery)—	
I. (Calcutta Port Defence) Field Brigade	Battery number and R. A. A. F.
II. (Madras) Field Brigade (The Duke's Own)	Battery number and R. A. A. F.
III. (Rangoon) Field Brigade	Battery number and R. A. A. F.
" " "	Coy. number and M. G. C. A. F.
IV. (Cossipore) Field Brigade	Battery number and R. A. A. F.
V. (Bombay) Field Brigade	Battery number and R. A. A. F.
VI. (Lucknow) Brigade	Battery number and R. A. A. F.
Other Field Batteries (A. F.)	Battery number and R. A. A. F.
(Infantry)—	
The E. I. R. Regiment	Bn. No. / E. I.
The E. B. R. Battalion	E. B.
The G. I. P. R. Regiment	Bn. No. / G. I. P.
The B., B. and C. I. R. Regiment	Bn. No. / B., B. and C. I.
The B. and N. W. R. Battalion	B. N. W.
The Burma Railways Battalion	Bn.
The North W. R. Regiment	Bn. No. / N. W.
The South Indian Railway Battalion	S. I.
The Madras and S. M. R. Rifles	M. S. M.
The Bengal Nagpur Railway Regiment	Bn. No. / B. N.
The Assam Bengal Railway Battalion	A. B.
The Madras Guards	M. G.
The Nagpur Regiment	N. R.
The Punjab Rifles	Pun. R.
The Simla Rifles	Sim. R.
The Bangalore Battalion	Ba.
The Allahabad Rifles	A.

APPENDIX 39—*contd.*

Corps	Abbreviated title
Auxiliary Force Units—*concld.*	
(Infantry)—*concld.*	
The Dehra Dun Contingent	D. D. C.
The Bareilly Contingent	Ba. C.
The Delhi Contingent	D. C.
The Tenasserim Battalion	Te
The Bombay Battalion	Bo.
The Cawnpore Rifles	C. R.
Rangoon Battalion	Rg
The Nilgiri Malabar Battalion	N. M.
The Sind Rifles	S. R.
The *Hyderabad Rifles*	H. R.
The Baluchistan Company	Bl. C.
The Eastern Bengal Company	E. B. C.
The East Coast Battalion	E. C.
The Upper Burma Battalion . . .	U. B.
The Poona Rifles	Po. R.
The Calcutta and Pres. Battalion . . .	C. P.
The Kolar Gold Fields Battalion	K. G. F.
The Calcutta Scottish	Ca. S.
Auxiliary Officers Corps	Au. O. C.
Machine Gun Corps Auxiliary Force . .	Company number and M. G. C. A. F.
Royal Army Service Corps Auxiliary Force	Company number and R. A. S. C. A. F.
Auxiliary Force Medical Corps .	A. F. M. C.
Auxiliary Force Veterinary Corps .	A. F. V. C.
Auxiliary Force Royal Engineers	A. F. R. E.
Auxiliary Force Signal Corps	A. F. S. C.
Indian Territorial Force—	The Battalion number and unit number thus "11 2" followed by
Punjab Regiment .	Same as for regular Infantry surmounted by [illegible] T
Bombay Grenadiers	
Mahratta Light Infantry	
Rajput Regiment	
Rajputana Rifles .	
Jat Regiment .	
Frontier Force Regiment	
" " Rifles	
Dogra Regiment	
Royal Garhwal Rifles	
Hyderabad Regiment . .	
Burma [illegible]	

APPENDIX 39—*contd.*

CORPS.	ABBREVIATED TITLE.
Indian Territorial Force—*concld.*	Number of unit followed by—
Malabar Battalion	M.
Coorg Battalion	C.
Medical Corps	T. M. C.
University Training Corps	Number of Battalion or Company followed by U. T. C.
Urban Infantry	Number of unit followed by U. I.
Indian Army Service Corps—	Company or Depôt followed by—
Supply units—	
District Supply Company	D. S. C.
Independent Brigade Supply Company	I. B. S. C.
Supply Depôt Company	S. D. C.
Station Supply Depôt	S. S. D.
Animal Transport—	
Animal Transport Company	A. Tpt. C.
,, ,, Training Company	A. Tpt. T. C.
Mechanical Transport—	
M. T. Companies	M. T. C.
Heavy Repair Shops	H. R. S.
M. T. Depôt	M. T. D.
C. M. T. S. Depôt	C. M. T. S. D.
Reserve Vehicle Park	R. V. P.
Chief Inspector of M. T.	C. I. M. T.
Technical Inspector of M. T.	T. I. M. T.
Indian Army Veterinary Corps—	
Branch Veterinary Hospital	B. V. H.
Indian Army Veterinary Corps	I. A. V. C.
Sick lines at stations where no veterinary hospital exists	V. S. L.
Sick lines for Camel Transport Company	C. V. S. L.
Military Veterinary Hospital, Class 1	M. V. H. 1.
,, ,, ,, Class 2	M. V. H. 2.
Advanced Depôt of Veterinary Stores	D. V. S.
Depôt and Record Office, I. A. V. C.	V. D. R. O.
Mobile Veterinary Section	M. V. S.
Veterinary Convalescent Depôt	V. C. D. (H.).
,, ,, ,, (Camel)	V. C. D. (C.).
Veterinary Evacuating Station	V. E. S.
Veterinary Hospital	V. H.
,, ,, (Camel)	V. H. (C.).

Corps.	Abbreviated title.
Miscellaneous—	
Indian Army Ordnance Corps	I. A. O. C.
„ „ Service Corps	I. A. S. C.
Army Remount Department	A. R. D.
Remount Squadron	R. S. A. R. D.
Medical Department	*M.
Military Engineer Services	*M. E. S.
Field Park	*Fd. Pk.
Station Hospital	S. Hpl.
Field Hospital	Fd. Hpl.
General Hospital	G. Hpl.
Base Hospital	B. Hpl.
Indian Army Reservists	*R. added to corps title and a serial number below taken from a series kept by the training battalion for each unit.
Army Educational Corps	A. E. C.
Indian Corps of Clerks	I. C. C.

* These markings are carried out by the Ordnance Corps before issue, the serial number to be marked being noted on the indent.

APPENDIX 40

TO

Equipment Regulations (India) Part I, 1933.

APPENDIX 40.

(Referred to in para. 321.)

Instructions for marking horse and mechanical by propelled vehicles.

Regimental Marks.

1. All vehicles, forming part of the peace equipment of units, will be marked with the title of th [illegible] lery batteries, [illegible] I. vehicles on [illegible] rked on the [illegible] o time.

The vehicles of the I A. S. C. (animal transport) will be fitted with brass plates denoting the initials of the unit and the serial number of the vehicle.

The position of the marks will be as follows :—

Gun and howitzer carriages	On trail, off side.
Limbers and ammunition wagons—	
Q F., 13 and 18-pdr.	Centre of back of ammunition boxes.
B. L , 60-pdr.—	
Gun limbers	Back of off limber box, close to top.
Ammunition wagons and limbers	Back of ammunition box, off side, close to top.
B L., 6-inch, 26 cwt. howitzer	Back of limber box, near side, close to top.
Q F., 4·5-inch howitzer	Back of ammunition or limber box, off side, low down
Anti-aircraft equipments—	
Mountings	On front of the pedestal.
Lorries or other transport	Off side, in most convenient position.
Mechanicalised Field and Medium equipments	As for anti-air-craft equipments
Railway truck equipments—	
Mountings and trucks Wagons, ammunition	On either side, in most convenient position.
Carts—	
Tool, R. E	Off side at front (on side frame).
Water tank, Mark IV	Off side of tank, at front.
Water tank, Marks V to VII	End of barrel, near side.
Kitchens, travelling	Rear of body and rear of limber, off side.
Wagons—	
Airline	Off side of front body, low down.
Cable	Off side of futchel of body, and off side of foot board of limber.
G S Mark X* I P.	Body of wagon, off side, at front.
Pigeon loft	Body of wagon, off side, at front.
Limbered, G S	On rear of both portions, off side
Pontoon (or trestle)	Off side, at front.
Telephone	On off block, supporting drum bearings of wagon body at front and on off side of limber box.
Other vehicles (if construction admits)	On body of vehicle, off side as far to the front as possible and low enough to be clear of the cover. Limbered vehicles will be marked on both portions. The brass plates in the case of I. A. S. C. (animal transport) vehicles will be placed on the off side of the vehicles in a position corresponding to that occupied by the inscription plate on the near side.

APPENDIX 40—*contd.*

2. Vehicles forming part of, and stored with, mobilization equipment will not be marked with the title of the unit for which they are held, whether they are on unit charge or stored by the Ordnance Corps

M. T. vehicles, stored centrally under I. A. S. C. control, for allotment to units on mobilization will not be marked with unit titles but will bear the prescribed B. A. numbers, etc., only.

Symbols denoting class of transport

3. During mobilization, distinguishing marks denoting the various classes of transport will be painted on vehicles forming part of war outfit of units. The symbols to be used as distinguishing marks will be notified

Medical units

4. All vehicles in possession of medical units will be marked with the Geneva Cross

Weight and load

5. The "weight of vehicle" and the "weight of load the vehicle is designed to carry," as shown in I. L. Cs., will be marked on the near side of vehicles, as near the centre as possible, low down.

Station transport, etc.

6. Vehicles on charge of units for local purposes will be marked to show the purpose to which they are locally appropriated

Mechanical Transport

7. All mechanically propelled vehicles will be numbered, and the general numerical register will be kept by the D. S. and T., A. H. Q., vehicles will be numbered consecutively irrespective of class

8. Method of marking.—The following marks will be painted on all M. T. vehicles:—

(a) *Broad Arrow Prefix and Numbers positions.*—The Broad Arrow mark and prefix letter may precede or be painted above the B. A. No., thus—

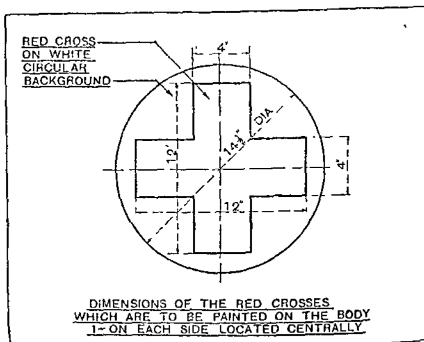
↑ ↑ G

↑ G. 8701 or G. 8701 or 8701

APPENDIX 40—*contd.*

(e) *Geneva Crosses—position*.—The marking of the Geneva Crosses on motor ambulances in India, will be as follows :—

Two red crosses made up of five 4" squares on a white circular background, of a diameter sufficient to leave a 1" white margin outside the corners of the arms of the cross, are to be painted, one on each side of the body of the vehicle, and located centrally thereon, as shown in the diagram below :—



(f) *Weights, load carrying capacity, and speed of vehicles.*—On all lorries, vans and ambulances, the information mentioned below will be painted on the near or off-side of the cab on 1" letters :—

Unladen weight .	By the following letters and the weights concerned	U. W. Tons Cwts.
Front axle weight .		F. A. W. Tons Cwts
Each rear axle weight		R. A. W. (Front) Tons Cwts.
		(Rear) Tons Cwts.

Speed limit .	By the following	Speed not to exceed m. p. h.
* Load limit .		Load not to exceed Tons or Cwts

* In the case of vans and lorries, the carrying capacity will also be painted, in 2" letters on the outside of the tailboard.

Load limit . | on ambulances only | Passengers or Load 1 ton 5 cwts

(g) *Chassis numbers*.—The makers chassis number, together with any type symbol necessary therewith for identification, shall be stamped on the web of the ... driving seat ... l be ... ber ... all ... ted ... ion

... fix

(h) ... icle and number, also the Geneva cross, will be obliterated before the ... is handed over to the purchaser.

APPENDIX 40—*contd.*

TABLE 1.—*Size and style of marking.*

Marking.	Size of letters and numerals on—		Style.
	Vehicles.	Bicycles.	
Weight and load of vehicle (see para. 5).	¾ in.	.	Plain block, except division numeral, which will be "Roman."
All other regimental marks—			
Capitals and numerals . .	1½ in.	½ in	. .
Remainder	1 in.	½ in.	. .
I. A. S. C. vehicles (animal transport) with cut out letters on brass plates.	¾ in.	.	. .

APPENDIX 40—*contd.*

TABLE 2.—*Abbreviation to be used for Titles of Units.*

NOTE—Alterations to existing marks necessitated by changes in abbreviations introduced by this table will only be carried out as vehicles require repainting.

Units.	Abbreviations.	REMARKS.
British and Indian cavalry regiments	To be in accordance with the abbreviated titles, as laid down in the Indian Army List.	
Field Brigade Headquarters, R. A.	H. Q. Fd., R. A.	With the number of the Brigade affixed after H. Q.
Mountain Brigade Headquarters, R. A.	H. Q. Mtn. Bde. R. A.	
Medium Brigade Headquarters, R. A.	H. Q. Md. Bde., R. A.	
Anti Aircraft Battery, R. A.	A. A. R. A.	Preceded by the number of the battery.
Field Battery, R. A.	Fd. R. A.	
Medium Battery, R. A.	Md. R. A.	
Heavy Battery, R. A.	Hy. R. A.	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
Battery, Royal Horse Artillery	R. H. A.	Preceded by the letter of the battery.
Chitral Mountain Section	C. M. S. R. A.	
Royal Artillery Training Centre	R. A. T. C.	
Mountain Artillery Training Centre	M. A. T. C.	
Sappers and Miners—		
H. Q., Q. V. O. Madras	Hq. Madras S. M.	
H. Q., K. G. O. Bengal	Hq. Bengal S. M.	
H. Q., Royal Bombay	Hq. Bombay S M.	
[illegible]	[illegible] S. M.	Preceded by the number of the unit.
[illegible]	[illegible] S. M.	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	Preceded by letter.
No. 2 (Wireless) Company, Corps Signals.	Corps Sigs. W/T.	
Divisional Signals	Div. Sigs	Preceded by the number.
Cavalry Brigade Signal Troop	Cav. Bde Sigs	
District Signals	Dis Sigs.	
British and Indian infantry battalions.	....	To be in accordance with the abbreviated titles as laid down in the Indian Army List. In the case of Indian units, the number of the battalion will precede the regimental number.

APPENDIX 40—*concld.*

TABLE 2—*concld.*

Units.	Abbreviations.	REMARKS.
Royal Tank Corps—		
Armoured Car Compan, .	A C Co, R. T C	Preceded by the number of the company
Centre	R. T. C. C	
Animal Transport units . .	....	Abbreviated title of the unit followed by the serial number of the cart, *e.g.*, No. 1 Animal Transport Company (Mule) will be marked "No. 1 A. Tpt.-1 to No. 1.A. Tpt. 132."
Mechanical Transport units . .	....	Abbreviated title of unit.

APPENDIX 41

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 41.

(Referred to in para. 39.)

Detail of component parts of Wagon, G. S., Mk. X*, I. P.

Description.	Number to a set.	Remarks.
Section E-1.		
Axlebeds, wagon, G. S., Mk. X*, I. P.—		
Fore carriage	1	
Hind carriage	1	
Axletrees—		
2nd class, "C", No 200	1	
3rd class, "B", No 174	1	
Bars—		
Brake, with fittings	1	
Guide, wagon, G. S., Mk X,* I. P.	2	
Locking, wagon, G. S., Mk. X*, I. P.—		
Near	1	
Off	1	
Splinter, wagon, G. S, Mk X*, I. P., with fittings	1	
Sweep, wagon, G. S., Mk. X*, I P.	1	
Bearings, drag, washer, wheel, 3rd class "B", No. 178, I. P.	2	
Blocks, supporting—		
Seat, wagon, G. S, Mk X*, I. P.	2	
Springs, wagon, G S, Mk. X*, I. P.	2	
Boards—		
Bottom, wagon, G. S, Mk. X*, I. P.	1	
Front, wagon, G S, Mk. X*, I. P.	1	
Locker, wagon, G S., Mk. X*, I. P.	1	
Partition, wagon, G. S, Mk. X*, I. P.	1	
Seat, wagon, G. S, Mk X*, I. P.	1	
Side, wagon, G S., Mk. X*, I. P.	2	
Tail, wagon, G S.—		
Mk. X*, I P.	1	
Mk. X*, I. P. (without fittings)	1	N. I. V.
Bolsters—		
Front—		
Body, wagon, G. S., Mk. X*, I. P.	1	
Under-carriage wagon, G. S, Mk X*, I P.	1	
Intermediate, body, wagon, G. S., Mk X*, I. P.	3	
Locking—		
Bar, under-carriage, wagon, G. S., Mk. X*, I P.	1	
Bottom, under-carriage, wagon, G S., Mk. X*, I P.	1	
Top, under-carriage, wagon, G. S., Mk. X*, I P.	1	
Rear—		
Body, wagon, G. S, Mk. X*, I. P.	1	
Under-carriage, wagon, G. S, Mk. X*, I. P.	1	

APPENDIX 41—*contd.*

Description.	Number *to a set.*	Remarks.
Section E-1—contd		
Bolts—		
Joint, spring, seat, wagon, G S, Mk. X*, I. P.	4	
Securing, side, wagon, G. S., Mk X*, I. P.	8	
Straps—		
Side, wagon, G. S., Mk. X*, I P.	2	
Standard body, wagon, G. S, Mk. X*, I. P.	8	
Boxes—		
Grease, 3-lb	2	
Pipe wheel, 3rd class "B," No. 178, I. P	2	
Brackets—		
Hand lever, front brake, wagon, G S, Mk. X*, I. P	1	
Lever, connecting brake, wagon, G S, Mk. X*, I. P	1	
Sheave, guide, wire rope, brake gear, wagon, G S., Mk. X*, I. P	1	
Supporting—		
Bar, brake gear, wagon, G. S., Mk X*, I P.—		
Near	1	
Off	1	
Seat spring, block, wagon, G S, Mk X*, I. P	2	
Carriers dust excluder—		
2nd class axletree, No 1	2	
3rd class axletree, No 1	2	
Chains—		
Draught pole, No 2	2	
Key, wagon, G. S, Mk X*, I P—		
No 10 main pin	1	
Clip seat, spring	4	
Split, flat, draughtpin	2	
Locking, wagon, G S, Mk X*, I P	1	
Tailboard, wagon, G S, Mk X*, I P	1	
Cleats, locker, wagon, G S, Mk X*, I P.—		
A	2	
B	2	
C	2	
Boards	1	
Clips—		
Axletree, band, wagon, G S, Mk X*, I P	2	
Securing, seat spring, wagon, G S, Mk X*, I. P	2	
Collars—		
Adjusting, 2nd class "C", capped wheels.	2	
Adjusting, 3rd class "B", capped wheels.	2	
Handle, brake, No 1	1	
Stop, No 8, brake screw	1	

APPENDIX 41—*contd.*

Description.	Numbers to a set.	Remarks.
Section E-1—contd.		
Coupling, wire rope, brake, wagon, G. S., Mk. X*, I. P.	1	
Covers, adjustable, G. S., wagon	1	
Crosspieces, body, rear wagon, G. S., Mk. X*, I. P.	1	
Chains, 4-in., roller scotch—		
Inner	1	N. I. V.
Outer	1	N. I. V.
Doors, front, locker, wagon, G. S., Mk. X*, I. P.	1	
Excluders, dust—		
2nd class axletree	1	
3rd class axletree	1	
Flanges, nave, wheel, 3rd class "B"—		
No. 178, inner	1	
No. 178, outer	1	
Futchells, wagon, G. S., Mk. X*, I. P.	2	
Guards, seat, wagon, G. S., Mk. X*, I. P.—		
Near	1	
Off	1	
Guides—		
Lever, connecting brake, wagon, G. S., Mk. X*, I. P.	1	
Wire rope gear brake, wagon, G. S., Mk. X*, I. P.	1	
Handles, brake, No. 1	1	
Hasps, No. 2	1	
Hinges, locker, front, wagon, G. S., Mk. X*, I. P.	1	
Hooks—		
Chain, roller-scotch, wagon, G. S., Mk. X*, I. P.	1	
Draught, wagon, G. S., Mk. X*, I. P.	2	
Lashing, G. S.	10	
Keys—		
Pin, main, No. 10	1	
Seat, spring, clip, wagon, G. S., Mk. X*, I. P.	4	
Split, flat, ½-in. × 3½-in.	2	
Tailboard, wagon, G. S., Mk. X*, I. P.	2	
Levers—		
Connecting brake, Mk. X*, I. P., wagon, G. S.	1	
Hand, front, brake, gear, Mk. X*, I. P., wagon, G. S.	1	
Loops—		
Chain, tailboard, wagon, G. S., Mk. X*, I. P.—		
Long	1	
Short	1	
Clip, point, pole, Nos. 7 and 7-A	1	
Strap, tailboard, wagon, G. S., Mk. X*, I. P.	2	

APPENDIX 41—*contd.*

Description.	Number to a set.	Remarks
Section E-1—contd.		
Perches, wagon, G S —		
Mk. X*, I P.	1	
Without fittings	1	N I. V
Pieces—		
Bar, guide, brake, wagon, G S, Mk X*, I P.	2	
Packing—		
Guides, wagon, G S, Mk. X*, I. P —		
Bottom	2	
Top	2	
Standard, under carriage, wagon, G S, Mk. X*, I. P.	4	
Side, door, top, wagon, G S, Mk X*, I. P.	2	
Toe, footboard, wagon, G S, Mk X*, I. P.	1	
Pins—		
Cheese head—		
⅜-in. × 1·3-in A	1	
⅜-in. × 1·1 in B	1	
·6 in. × 1·4 in. A	1	
·6 in. × 1·4 in. C	1	
·6 in. × 1·7-in D	1	
Draught, No. 1	1	
Joint, No. 8 brake screw	1	
Linch—		
2nd class "C", capped wheels	2	
3rd class "B", capped wheels	2	
Main, No. 10	1	
Perch, wagon, G S., Mk X*, I P	1	
Plates—		
Angle, front, bolster body—		
Near	1	N I V
Off	1	N I V
Bearing—		
Bar brake, wagon, G S, Mk X*, I P	4	
Main pin, wagon, G S, Mk X*, I P	2	
Clip, top locking bolster	1	N I V
Clip—		
Bolster, wagon, G S, Mk. X*, I P., front	1	
Handle, brake, No 1	1	
Lever, brake, wagon G S, Mk. X*, I P	1	
Cross, seat, wagon, G S, Mk X* I P	2	
Friction—		
Body and under carriage wagon G S, Mk X*, I P —		
Front	2	
Rear	2	
Front, bolster—		
Body, wagon, G S, Mk X* I P	1	
Fore carriage, wagon, G S, Mk X* I P	1	

APPENDIX 41—*contd.*

Description.	Number to a set.	Remarks.
Section E-1—contd.		
Plates—*contd.*		
Friction—*concld.*		
Perch, wagon, G. S., Mk. X*, I. P. .	1	
Poles, draught, No. 7A—		
Left	1	
Right	1	
Guides, front, wagon, G. S., Mk. X*, I. P.	1	
Inscription	1	
Keep, dust excluders, 3rd class axletree	2	
Load	1	
Loop—		
Chain, tailboard, wagon, G. S., Mk. X*, I. P.	1	
Chain, locking wagon, G. S., Mk. X*, I. P.	1	
Nib, tailboard, wagon, G. S., Mk. X*, I. P.—		
Near	1	
Off	1	
Pin—		
Main, bottom, locking bolster, wagon, G. S., Mk. X*, I. P.	1	
Perch, wagon, G. S., Mk. X*, I. P. .	2	
Sheaves, guide, brake gear, wagon, G. S., Mk. X*, I. P.	1	
Shield, wagon, G. S., Mk. X*, I. P.—		
Near	1	
Off	1	
Staple, stay, rave front and rear, wagon, G. S., Mk. X*, I. P.	4	
Stay, footboard, wagon, G. S., Mk. X*, I. P.	2	
Stop, draught pole, wagon, G. S., Mk. X*, I. P.—		
Bottom—		
Front	1	
Rear	1	
Top	1	
Strap, tailboard, wagon, G. S., Mk. X*, I. P.—		
Centre	1	
Side	1	
Strengthening—		
Bar brake, wagon, G. S., Mk. X*, I. P.	1	
Body, front, wagon, G. S., Mk. X*, I. P.—		
Near	1	
Off	1	
Perch, wagon, G. S., Mk. X*, I. P.—		
Left	1	
Right	1	

APPENDIX 41—*contd.*

Description.	Number to a set.	Remarks.
Section E-1—contd.		
Plates—*concld.*		
Strengthening—*concld.*		
Poles, No. 7-A—	1	
Left	1	
Right		
Shield, wagon, G S., Mk. X*, I. P.—	1	
Near . . .	1	
Off	2	
Tie rod, wagon, G. S., Mk. X*, I P. .		
Top, wagon, G S., Mk. X*, I P —	2	
Side board . .	1	
Tail board .		
Wearing, bolster, locking, top, wagon,	1	
G S., Mk. X*, I P. . .		
Wrapping—	2	
Futchell, wagon, G S., Mk. X*, I. P		
Tailboard, wagon, G. S., Mk. X*,		
I. P —	1	
Near	1	
Off . . .	1	
Poles, draught, No. 7A	1	
Racks, brake, wagon, G. S., Mk. X*, I P		
Rails—]	4	
Rave, wagon, G S., Mk X*, I. P.	1	
Seat, wagon G S., Mk X*, I. P		
Rings, leather, L Section, dust excluders—	2	
2nd class axletree	2	
3rd class axletree	1	
Rods tie, wagon, G. S., Mk. X*, I P	1	
Rollers, scotch, 4 in		
Ropes, wire, brake, wagon, G S., Mk X*,	1	
I. P		
Screws—	21	N. I. V.
Brass, bosshead, $\frac{1}{16}$ in 7/20 in	1	
Loop, No 3	1	
Seat, wagon, G S., Mk X*, I P		
Shackles, wire locking rope under carriage,	1	
wagon, G S., Mk X*, I P .		
Sheaves, guide, brake, wagon, G S.,	1	
Mk X*, I P . . .		
Shield, locking, wagon, G S., Mk X*,		
I P—	1	N. I. V.
Near	1	
Off	1	
Socket, whip	1	
Spanners, I P., No 45		
Springs—		
Releasing, brake, wagon, G S., Mk X*,	1	
I P.	2	
Seat, wagon, G S., Mk X*, I P		
Standards—	8	
Body, wagon, G S., Mk X*, I. P		
Under carriage, wagon, G S., Mk X*,	4	
I P		

APPENDIX 41—*contd.*

Description.	Number to a set.	REMARKS.
Section E-1—contd.		
Staples—		
Clip, axletree, wagon, G. S., Mk. X*, I. P.—		
Fore	2	
Hind	2	
Lashing, special, with plate, angle, wagon, G. S, Mk. X*, I. P.	2	
Rave, stay, wagon, G. S., Mk. X*, I. P.—		
Front and rear	4	
Intermediate	8	
Start, securing, chains, wagon, G. S., Mk. X*, I. P.	1	
Stays—		
Axletree—		
Fore, wagon, G. S., Mk. X*, I. P.—		
Near	1	
Off	1	
Hind, wagon, G S., Mk. X*, I. P.—		
Near	1	
Off	1	
Footboard, wagon, G S., Mk. X*, I. P.	2	
Rave, wagon, G. S., Mk. X*, I. P.—		
Front and rear	4	
Intermediate	8	
Steps, wagon, G S., Mk. X*, I. P.	2	
Straps—		
Holding down body, wagon, G. S., Mk. X*, I. P.	2	N. I. V.
Front and rear rave, Mk. II, stay, wagon, G. S., Mk. X*, I. P.	4	
Swingletrees, No. 11	2	
Thimbles, wire, rope, brake, gear, wagon, G. S, Mk. X*, I. P.	4	
Ties, pole chain	1	
Turn-buckles, locker, wagon, G. S., Mk. X*, I. P.	1	
Tyres, wheel, 3rd class, "B," No. 178, I. P.	2	N. I. V.
Washers—		
Drag—		
2nd class, "C" capped wheels	2	
3rd class, "B" capped wheels	2	
Whip, socket, wagon, G. S., Mk. X*, I. P.	4	N. I. V.
Wheels, 3rd class, "B", No. 178, I. P.	2	
Section G-1.		
Bolts with nuts—		
Boss head, square—		
⅜-in. × 2-in.	2	
⅜-in. × 2½-in.	2	
⅜-in. × 3½-in.	4	
⅜-in. × 4-in.	2	

APPENDIX 41—*contd.*

Description.	Number to a set.	Remarks.
Section G-1—concld.		
Bolts with nuts—*concld.*		
Boss head, square—*concld.*		
½-in. × 3-in.	2	
½-in. × 3½-in.	2	
½-in. × 4½-in.	2	
½-in. × 5-in.	4	
½-in. × 5½-in.	2	
½-in. × 6-in.	2	
½-in. × 10-in.	4	
Boss head, "V"—		
⅜-in. × 2¼-in.	8	
⅜-in. × 3½-in.	4	
⅜-in. × 4-in.	1	
⅜-in. × 4½ in.	1	
½-in. × 4-in.	2	
½-in. × 5½-in.	2	
½-in. × 5-in.	2	
Bolts, countersunk head, square—		
½-in. × 1¼-in	2	
½-in. × 3½-in.	3	
½-in. × 4 in.	2	
½-in. × 5-in.	1	
½-in. × 7½-in.	4	
½-in. × 8-in.	2	
½-in. × 11-in.	4	
Bolts, countersunk head, "V"—		
½ in. × 1¼ in.	4	
½-in. × 3-in	2	
½-in. × 3½-in.	2	
½-in. × 9½-in.	4	
Staples, lashing, special, No 1	4	
Washers, bolt or rivet, ½-in hole	1	
Section M-3.		
Blocks, brake field, and transport	2	
Bolts, nave, bosshead, square, bevelled, 1-in. × 3½-in.	2	
Boxes, pipe, 2nd class, "C", Nos 45 and 45A wheels.	2	
Caps, 2nd class, "C" capped wheels, No. 1.	2	
Collars—		
Pipe box wheel, 2nd class, "C", No. 45	2	
Strengthening flange, 2nd class, "C" wheel, No. 45, Mk. III, I P	1	
Flanges, nave, wheels, 2nd class, "C", Nos. 45 and 45A—		
Front	1	
Rear	1	
Nuts, pipe box, 2nd class, "C" wheels, Nos. 45 and 45A.	2	

APPENDIX 41—*concld.*

Description.	Number to a set.	REMARKS.
Section M-3—concld.		
Plates, locking nut pipe, box, Nos. 45 and 45A, 2nd class, "C" wheels. . .	12	
Screws, cheese head, box pipe . .	12	
Straps, securing—		
1-in. × 26-in.	12	
1-in. × 30-in.	12	
Tyres, wheel, 2nd class "C", Nos. 45 and 45A.	12	
Washers, Mk. II, cheese head, screw, box pipe.	12	N. I. V.
Wheels, 2nd class, No. 45 . . .	12	

APPENDIX 42

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 42.

(Referred to in para. 366.)

Detail of equipment to be taken by units, drafts and details moving in relief in peace within Indian limits and to Home and Imperial Stations.

General instructions governing stores to be taken on relief by all units when moving within Indian limits.

All Ordnance stores, held on charge by a unit, will normally accomp[illegible] reliefs, with the following exceptions:—

(i) Station stores, excluding [illegible]
(ii) Harness, saddlery [illegible] [illegible]se and mule shoes) will remain
(iii) All ammunition, ex[illegible] [illegible] and pyrotechnics with the exception of S. A. A. 20 rounds per rifle and 12 rounds per pistol which will be taken.
(iv) Entrenching tools.
(v) Barrack and Hospital stores excluding cooking utensils for British troops shown in Table 4
(vi) Tentage.
(vii) Guns and carriages.
(viii) Vehicles of all kinds including limbers and wagons.
(ix) Grenades and connected equipment including E. Y. rifle.
(x) Annual allowances and components for the upkeep and repair of such articles of equipment as are being handed over.
(xi) Anti-gas training stores (not unit equipment).
(xii) Mobilization equipment.

2. Where road moves or other exceptional circumstances render it necessary it shall be open to commands concerned to arrange as to what stores under items (i) to (xii) above should accompany the unit, due regard being paid to transportation charges.

3. If one unit moves by road and the other by rail the command concerned will decide what additional stores are required for use on the line of march and will communicate a list of the stores to be taken to the command responsible for the unit which moves by rail. The latter command will decide whether the corresponding articles are to be taken by the relieved unit, or whether the stores are to be returned to ordnance on departure and a fresh supply drawn on arrival at the destination.

4. Where moves are within a district, equipment will be taken at the discretion of the District Commander with the concurrence of Headquarters of Commands, always paying particular attention to any extra expenditure that may be caused.

5. When a unit of the Royal Tank Corps is ordered to move by road in relief, instructions will be issued by Army Hadquarters prior to the move as to vehicles and equipment to be taken.

APPENDIX 42—*contd.*

TABLE 1.

Equipment to be taken by all units when moving in relief within Indian limits (except to and from Waziristan and Chitral) by rail, and Indian units moving to the Malaya Command.

[illegible]
by [illegible]
autl [illegible]
G-1 [illegible]
R-2 [illegible]
1, [illegible]
Table 7, Section D-1, Table 8, Sections J and D 1, Table 9, Section L, Tables 12 and 13, Table 14, Sections J and D 1, Tables 19 and 20, Appendices 37, 37 A, 37 B, 41 and 56.

NOTE 1.—Any stores peculiar to the unit will be taken Sapper and Miner units will take all technical engineering equipment except water supply stores and as stated below.

NOTE 2.—Royal Tank Corps units will not take machine guns and connected equipment when moving without vehicles.

NOTE 3.—E. R.'s (I.), Part 2, Section B-4. Muskets will be handed over
E. R.'s (I.), Part 2, Section F. Anvils, forges, grindstones, crowbars and bellows, smiths will be handed over
E. R.'s (I.), Part 2, Section G Padlocks as required may be taken
E. R.'s (I.), Part 2, Section H 2 Tape cotton for mess tins of Indian troops will be taken
E. R.'s (I.), Part 2, Section H 4. Packing material not required for stores accompanying the unit will be handed over
E. R.'s (I.), Part 2, Section K Treasure chests will be taken
E. R.'s (I.), Part 2, Section L. Kitchen utensils and weighing equipment, Indian troops will be taken
E. R.'s (I.), Part 2, Section V Dial sights, clinometers, and connected stores (Artillery units) will be handed over
E. R.'s (I.), Part 2, Section W 2 and X D. F. telephones and cable will be handed over
E. R.'s (I.), Part 1, Appendix 4 S. A. A. 20 rounds per rifle and 12 rounds per pistol will be taken
E. R.'s (I.), Part I, Appendix 14 A Rifle oil will be handed over

NOTE 4.—Medical Supplies. Field medical panniers, companions, and haversacks only will be taken. I. A. S. C. Supplies Motor cycles only will be taken.
Veterinary wallets. One per unit will be taken for officers' chargers, by units having them on charge. Other units will obtain veterinary requirements under para. 511, R. A. (I.)

APPENDIX 42—*contd.*

TABLE 2.

British drafts and details, including invalids and personnel, for discharge for transfer to the reserve within 14 days of embarkation, proceeding to Imperial Stations.

Drafts and details.

All ranks :—

Waterbottle with brace, if necessary	1	per man.
Carrier, waterbottle	1	
Haversack with brace and buckle	1	
Mess tin without cover for dismounted men but with straps for mounted men	1	
Sam Browne accoutrements if so equipped	sets 1	per W. O. and N. C. O.

British other ranks proceeding on furlough.

Sam Browne belt, belt or bandolier as equipped. British Infantry will take web belts and not leather belts.

APPENDIX 42—*contd.*

TABLE 3.

Scale of personnel equipment to be taken by :—

(i) British details proceeding on transfer within Indian limits and Indian details proceeding on transfer to stations in or out of India

(ii) British and Indian details proceeding on duty.

(i) All ranks :—

Item		Quantity	
Waterbottle with brace, if necessary	.	1	per man
Carrier, waterbottle	.	1	per man
Messtin with cover for dismounted men, straps for British mounted men and one yard of "Tape cotton 1 inch" for Indian ranks	.	1	per man
Haversack, with brace and buckle, if necessary		1	per man
Sam Browne accoutrements for those equipped	sets	1 per W. O. and N. C. O.	

(ii) Details proceeding on duty will proceed armed and equipped in such a manner as the nature of the duty necessitates.

NOTE 1.—No arms or accoutrements will be taken by trained Indian soldiers when being [illegible]

&c. [illegible]

[illegible]

(b) [illegible]

the training formation

(c) By rail and ending by march route These will proceed without arms and accoutrements until place of detrainment is reached when they will proceed armed and equipped as may be necessary under local arrangements made by the district headquarters concerned

NOTE 2.—Departmental and non departmental W. O.s and N. C. O.s of the I. U. L. (except the Indian Corps of Signals I. A. O. C. and I. A. S. C.) will also take their arms, ammunition and connected equipment when proceeding on transfer

NOTE 3.—Arms and accoutrements will not be taken by B. O. R.s of the Indian Corps of Clerks on transfer

NOTE 4.—Vouchers will be passed between units and the articles brought on the equipment ledger of the unit to which the men are transferred. The articles will be remarked to accord with the set of accoutrements which they will receive in their new units.

NOTE 5.—Indian troops crossing the Sind Desert during the summer months will carry waterbottles

APPENDIX 42—*concld.*

TABLE 4.

Scale of cooking and mess utensils for British troops to be taken when moving in relief.

NOTE.—The cooking utensils will form part of the scale authorised for British troops in Schedule 26 of Barrack and Hospital Schedules, but the utensil taken is not to exceed that authorised. Mugs and plates will constitute those authorised by para. 21.

Article.	Scale.		REMARKS.
Kettles, camp (with lid) . .	10	per cent of men moving. (Units only.)	These articles will be taken to destination by units proceeding to stations within India and Burma; units proceeding to Home and Imperial Stations will hand them over to the Ordnance officer at the port of embarkation. Units arriving in India or Burma from Home or Imperial stations will obtain them from the Ordnance Officer at the port of disembarkation and take them to destination.
Blocks, chopping, small . .	1		
Pins, rolling	1		
Choppers, meat	1		
Ladles, cook, barrack . . .	5		
Bowls, hand	1		
Forks, flesh	1		
Implements, butchers, steel . .	1		
Knives, cook	3		
Mugs, enamel	1	per man. (Units only.)	
Plates, enamel	1		

APPENDIX 43

TO

quipment Regulations (India), Part I, 1933.

APPENDIX 43.

(Referred to in para. 37.)

Scale of apparatus, aerial signalling—ground indicators for Army formations.

Stores.	Scale (Peace and War).	Remarks.
Apparatus, aerial signalling—		
Strips	4 per Command Headquarters.	To form letter X. Held on charge by Corps Signals where allotted.
Ground indicator, A . .	2 per War Infantry Brigade. 2 per Brigade Area. 2 per Independent Brigade Area.	Held on charge by Infantry Brigade Signal Sections where allotted.
Ground indicator, C .	2 per District Headquarters.	Held on charge by Divisional or District Signals where allotted.
Ground indicator, E . .	2 per War Cavalry Brigade.	Held on charge by Cavalry Brigade Signal Troop where allotted.

NOTE.—[illegible]

APPENDIX 44

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 44.

(Referred to in para 37.)

Equipment for riding schools of units.

Article.	British and Indian Cavalry Regiments.	R. H. A Battery	Field Battery R. A.	Field Troops S. & M.	Divisional Signals and S. T. C.	Cavalry Troops & Peshawar District Signals.	Kohat District Signals.	Viceroy's Body-guard.	Madras and Bengal Body-guards.
Section D-I.									
Bridles, mouthing—									
Bits	2	1	1	1	1	1	..	12(a)	2
Heads, bridle	2	1	1	1	1	1	..	12(a)	2
Reins	2	1	1	1	1	1	..	12(a)	2
Bridles, snaffle, I. P.—									
Bits	..	16	8	8	8	6	4	12	8
Heads, bridle	..	16	8	6	8	6	4	12	8
Reins	..	16	8	6	8	6	4	12	8
Straps, bit	..	16	16	12	16	12	8	24	16
Caps, knee, horse . . . prs.	4	4	2	2	2	2	..	..	..
Cavissons	2	2	1	1	1	1	..	12(a)	2

Cords	2	2	1	1	1	1	..	12(a)	2
Crosstrees, automatic	..	1	..	..	..	..	..	..	—
Girths, breaking	..	1	..	..	..	..	..	4	2
Pads, driving, breaking	..	..	..	..	..	..	..	4	2
Pads, vaulting	16	12	8	..	8(b)	..	..	12	6
Reins—									
Cord, driving, breaking	..		..	..	..	..	..	12	4
Rubber	.	2	..	..	..	..	..	8	4
Running, riding	2	3	1	..	1	1	..	4	2
Web driving, breaking, I P	30	16	8	6	8	6	4	18	4
Straps, throwing—									
Long	2	1	1	1	1	1	..	4	2
Short	2	1	1	1	1	1	..	4	2
Tackles, bullock . . sets	2	1	1	1	1	1	..	.	..
Whips, longeing	30	12	8	6	8	6	4	12(a)	6
Section K									
Standards, measuring, height, horse	1	1	1	1		.	.	2(a)	1

(a) Half of these items will be maintained at Delhi and half at Dehra Dun.
(b) For Signal Training Centre only.

APPENDIX 45

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 45.

(Referred to in para. 197.)

Scale of Artillery blank ammunition allowed as a pool annually to Commands, for use at manœuvres, etc.

Nature.	Quantity.
B. L. 2·75" gun	200 rounds per battery.
Q. F. 3·7" How.	
Q. F. 13 pdr.	100 rounds per battery.
Q. F. 18 pdr.	
Q. F. 4 5" How.	

NOTE.—Rounds will be demanded and issued complete with primers, or tubes, cups, and lids glazed board, as the case may be.

Cartridge cases need not be arranged for, as the number on unit charge is sufficient for use with blank allotted by Commands.

APPENDIX 46

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 46.

(Referred to in paragraph 38.)

Authorized Scale of Equipment for M. T. Vehicles.

Item No.	Item of Equipment	Motor Cycles.		Four-Wheeled Vehicles.														Six-Wheeled Vehicles.									Tractors, Holt.	Remarks.
		Solo.	Combination.	Motor Cars.	Motor Ambulances.	Vans.	Tenders.	30-Cwt. Lorries.	3-Ton Lorries	Carging Lorries	Electric Light Lorries.	Petrol Tank Lorries.	Store Lorries.	Mobile Workshop-Lorries.	1st Aid Lorries.	Armoured Cars.	Disinfector Lorries.	Motor Cars.	Motor Ambulances.	30-Cwt. Lorries.	3-Ton Lorries.	Petrol Tank Lorries.	Store Lorries.	Mobile Workshop-Lorries.	1st Aid Lorries.	Armoured Cars.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	M. T. Supplies.																											
	Alemite grease gun—																											
1	Bushing and nipples.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	
2	Connection assembly.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	
3	Bags, tube, inner	..	..	1	1	1	1	(a) 1	..	(a) 1	(a) 1	(a) 1	..	..	(a) 1	(a) 2	..	1	1	1	1	1	1	1	1	2	..	
4	Belts, fan, with fastener.	..	..	1	1	1	1	1	1	1	1	1	1	1	1	1	..	1	1	1	1	1	1	1	1	1	1	Spare—if fitted.
5	Boards, ditching	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	..	
6	Braces, wheel	..	..	1	1	1	1	1	..	1	1	..	..	..	..	..	..	1	1	1	1	1	1	1	1	1	..	*If necessary.*
7	Brackets, for spotting ring.	..	..	1	1	1	1	1	1	1	1	1	1	1	1	1	..	1	1	1	1	1	1	1	1	1	1	

	Brushes—																											
9	Engine, cleaning	.	..	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	
	Spoke	..	.	1	1	1	1	..	—	.	..	.	..	..	..	1	..	1	1	1	1	1	1	1	1	1	..	For Vehicles with Spoked wheel only.
10	Tube, cleaning		.	.	.		..	..	—	..		.	..	..	.		1	..	—	—	—	—	..	—	..	..	..	
	Bulbs, electric—																											
11	Head lamp		..	(b) 1	(b) 1	(b) 1	(b) 1	(b) 1	..	(b) 1	(b) 1	1	—	—	(b) 2	(b) 1	..	1	1	1	1	1	1	1	1	1	—	Spare, in case.
12	Side lamp	..	—	(b) 1	(b) 1	(b) 1	(b) 1	(b) 1	..	(b) 1	(b) 1	1	.	—	(b) 1	(b) 1		1	1	1	1	1	1	1	1	1	—	
13	Tail lamp		..	(b) 1	(b) 1	(b) 1	(b) 1	(b) 1	..	(b) 1	(b) 1	1	.	—	(b) 1	(b) 1	.	1	1	1	1	1	1	1	1	1	..	
	Cans—																											
14	Oil, lubricating	1	1			..	..	..	..	..	.	.	—	—	.	.	..	—	.	.	..	..	—	..	.	..	..	For S D. Model motor cycle.
	Cans petrol, oil and water—																											
15	2 gallons		.	1	1	1	1	3	3	3	3	3	3	3	3	2	3	1	1	..	6	6	6	6	6	2	3	
16	1 gallon							..	.	.			.	..	.			..	.	[illegible]	.	..	..	..	.	.	..	
	Carriers—																											
17	Bag motor cycle	(f)	(f)				.		.	..	.	..	.	—	..	.		.	.	..	..	—	.	..	.	.	..	
18	For oil can			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
19	For spare petrol can.			1	1	1	1	.	..	..	.	.		..	..	.	..	..	.	..	..	..	..	—	..	..	..	
20	For spare wheel	.		1	1	1	1	(a) 1	..	(a) 1	(a) 1	.			.	.	..	1	1	1	1	1	1	1	1	..	..	If necessary.
21	Cases for spare tubes	1	1			.	..	..	..	.	.	..	..			.		..	.	..	.	..	..	.	..	..	..	Not for Douglas motor cycle.
22	Chains non-skid for rear wheels sets	.				.	..	..	(f) 1	.		..	(f) 1	(f) 1	(f) 1	1	.	.	.	—	..	..	—	..	..	..	..	

APPENDIX 46—*contd.*

I. in No.	Item of Equipment	Motor Cycles. Solo.	Motor Cycles. Combination.	Four-Wheeled Vehicles. Motor Cars.	Motor Ambulances.	Vans.	Tenders.	30-cwt. Lorries.	3-Ton Lorries.	Charging Lorries.	Electric Light Lorries.	Petrol Tank Lorries.	Store Lorries.	Mobile Workshop-Lorries.	1st Aid Lorries.	Armoured Cars.	Disinfector Lorries.	Six-Wheeled Vehicles. Motor Cars.	Motor Ambulances.	30-Cwt. Lorries.	3-Ton Lorries.	Petrol Tank Lorries.	Store Lorries.	Mobile Workshop-Lorries.	1st Aid Lorries.	Armoured Cars.	Tractors, Holt.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	Covers—																											
23	Bonnet	..	..	1	1	1	1	1	1	1	1	1	1	1	1	1	..	1	1	1	1	1	1	1	1	1	1	
24	Waterproof	..	..	..	..	..	..	1	1	1	1	..	..	..	1	1	..	..	..	1	1	..	..	..	1	..	..	
25	Cushions . sets	..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Funnels—																											
26	Oil	..	..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
27	Petrol	..	..	1	1	1	1	1	1	1	1	1	1	1	1	1	..	1	1	1	1	1	1	1	1	1	1	
28	Generators, acetylene with tubing.	1	2	1	1	..	1	1	1	1	1	..	1	1	1	1	1	..	..	..	..	..	..	..	..	1	1	If Acetylene lamps are not self-contained.
29	Guns, grease	1	1	1	1	..	1	1	..	1	1	1	1	1	1	1	..	1	1	1	1	1	1	1	1	1	..	If fitted with pressure fed Chassis lubricators.
	Horns—																											
30	Bulb or mechanical.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

31	Electric	(b) 1	..	1	1	1	1	1	..	1	1	1	..	..	1	1	..	1	1	1	1	1	1	1	1	1	..	If fitted.
32	Hose, for mechanical tyre pump, with gauge and thumb lock.	..	..	1	1	..	1	1	..	1	1	..	..	..	..	..	..	1	1	1	1	1	1	1	1	1	..	If fitted with mechanical tyre pump.
33	Jacks, with handle	..		1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	1	
	Lamps—																											
34	Head, acetylene	1	1	(d) 2	(d) 1	(d) 1	(d) 1	(d) *1	1	(d) 1	(d) 1	..	(d) 1	(d) 1	(d) 1	1	1	.	.		..	.	..	..	.	1	:	Not for Douglas motor cycle.
35	Head, electric	(b) 1		(b) 2	(b) 2	(b) 2	(b) 2	(b) 2		(b) 2	(b) 2	2	(b) 2	(b) 2	(b) 2	(b) 2		2	2	2	2	2	2	2	2	2	..	*2 per vehicle for R. T. C. Lorries.
36	Side, acetylene		1										.	.		.					..		..	.	..	..	..	
37	Side, electric		.	(b) 2	(b) 2	(b) 2	(b) 2	(b) 2		(b) 2	(b) 2	2	(b) 2	(b) 2	(b) 2	(b) 2		2	2	2	2	2	2	2	2	2	..	
38	Side, oil			(d) 2	(d) 2	(d) 2	(d) 2	(d) 2	2	(d) 2	(d) 2		(d) 2	(d) 2	(d) 2	(d) 2	2	.	..		.				.	.	2	
39	Tail, electric	(b) 1		(b) 1	(b) 1	(b) 1	(b) 1	(b) 1		(b) 1	(b) 1	1	(b) 1	(b) 1	(b) 1	(b) 1		1	1	1	1	1	1	1	1	1	..	
40	Tail, oil			(d) 1	(d) 1	(d) 1	(d) 1	(d) 1	1	(d) 1	(d) 1		(d) 1	(d) 1	(d) 1	(d) 1	1				.	.			..	.	1	
41	[illegible] in [illegible] with [illegible]								.									1	1	1	1	1	1	1	1	1	..	
	Levers																											
42	Tyre	3	3	3	3	3	3									(a) 3												
43	Tyre levers			1	1	1	1									(a) 1									.		.	
44	[illegible] rear [illegible]	1	1																								..	Or Rear lamp if required by Local Lighting Regulations.

APPENDIX 46—*contd.*

Item No.	Item of Equipment	Motor cycles.		Four-Wheeled Vehicles.														Six-Wheeled Vehicles.										Remarks.
		Solo.	Combination.	Motor Cars.	Motor Ambulances.	Vans.	Tenders.	30-Cwt. Lorries.	3-Ton Lorries.	Charging Lorries.	Electric Light Lorries.	Petrol Tank Lorries.	Store Lorries.	Mobile Workshop-Lorries.	1st Aid Lorries.	Armoured Cars.	Disinfector Lorries.	Motor Cars.	Motor Ambulances.	30-Cwt. Lorries.	3-Ton Lorries.	Petrol Tank Lorries.	Store Lorries.	Mobile Workshop-Lorries.	1st Aid Lorries.	Armoured Cars.	Tractors, Holt.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	Links, for driving chain—																											
45	Spring clip, [illegible]" × [illegible]".	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
46	Spring clip, [illegible]" × [illegible]".	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
47	Spring clip, [illegible]" × [illegible]".	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
48	Double crank link, [illegible]" × [illegible]".	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
49	Double crank link, [illegible]" × [illegible]".	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
50	Double crank link, [illegible]" × [illegible]".	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
51	Single connecting link, [illegible]" × [illegible]".	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Spare (one of each size fitted to the vehicle).
52	Single connecting link, [illegible]" × [illegible]".	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
53	Single connecting link, [illegible]" × [illegible]".	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	

54	Double connecting link, [illegible]" × [illegible]".	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
55	Double connecting link, [illegible]" × [illegible]"	1	1	..	..	.	..	..	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
56	Double connecting link, [illegible]" × [illegible]".	1	1	..		..		.	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	
57	Maker's special tools sets	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	As shown in Stores Depot Catalogues for make and type of vehicle.
58	Man hole ring			.		..		.	.				..	.			1	..	..	..	..	..	..	..	.	..	..	
59	Mirrors, driving			1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	
60	Mud hole ring	.						..		.		..	..	.		.	1	..	..	..	..	..	..	..	..	..	..	Spare.
61	Odometer			.				1	1	1	1	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	If fitted.
62	Outfits tyre repair	1	1					.					.	.	.		..	..	..	..	..	..	..	..	..	..	..	Motor cycle size.
63	Overall chains with fitting tools sets								.	.		.	.	.		..	..	(f) 1	(f) 1	(f) 1	(f) 1	(f) 1	(f) 1	(f) 1	(f) 1	1	..	Or non-skid chains in lieu.
	Fibre combination —																											
64	7 inch			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
65	6 inch	1	1					.	..		.	.	..	..	..	.	..	..	.	..	..	..	..	..	..	..	..	
	Plugs —																											
66	Fusible			.		.	.	..	..	.	..	..	..	..	..	.	1	..	..	..	..	..	..	..	..	..	..	Spare.
67	Sparking	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	..	2	2	2	2	2	2	2	2	2	2	Spare.

APPENDIX 46—*contd.*

Item No.	Item of Equipment.	Motor Cycles. Solo.	Motor Cycles. Combination.	Four-Wheeled Vehicles. Motor Cars.	Motor Ambulances.	Vans.	Tenders.	30-Cwt. Lorries	3-Ton Lorries.	Charging Lorries.	Electric Light Lorries.	Petrol Tank Lorries.	Store Lorries.	Mobile Workshop-Lorries	1st Aid Lorries	Armoured Cars.	Disinfector Lorries.	Six-Wheeled Vehicles. Motor Cars.	Motor Ambulances.	30-Cwt. Lorries.	3-Ton Lorries.	Petrol Tank Lorries.	Store Lorries.	Mobile Workshop-Lorries.	1st Aid Lorries.	Armoured Cars.	Tractors, Holt.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	Pumps tyre—																											
68	Hand or foot	1	1	(h) 1	(h) 1	1	(h) 1	..	..	..	..	..	..	..	..	(a) 1	..	..	..	..	..	..	..	..	..	..	..	
69	Mechanical	..	..	1	1	..	1	1	..	1	1	..	..	..	..	..	..	1	1	1	1	1	1	1	1	1	..	If fitted.
70	Ropes, towing, steel.	..	..	..	..	..	1	1	1	1	1	1	1	1	1	1	1	..	..	1	1	1	1	1	1	1	1	
71	Scotch and chain	..	..	..	..	..	..	1	1	1	1	1	1	1	1	1	1	..	..	1	1	1	1	1	1	1	1	
72	Screwdrivers, special, combination.	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	For Ford model 'A' vehicles only.
73	Searchlight, electric.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	To pattern authorized.
74	Shovels, firing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	—	1	..	..	..	..	..	..	..	..	..	..	
	Spanners—																											
75	Box . . sets	..	..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..	([illegible] 1 of each size.)
76	Magneto	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..	1	1	1	1	1	1	1	1	1	1	

77	Sparking plug box	.	..	1	1	1	1	1	1	1	1	1	1	1	1	1	..	1	1	1	1	1	1	1	1	1	1	
	Double ended—																											
78	[illegible]" × [illegible]"		.	1	1	1	1	1	1	1	1	1	1	1	1	.	1	1	1	1	1	1	1	1	1	1	1	
79	1" × [illegible]" .			1	1	1	1	1	1	1	1	1	1	1	1	.	1	1	1	1	1	1	1	1	1	1	1	
80	[illegible]" × [illegible]"			1	1	1	1	1	1	1	1	1	1	1	1	.	1	1	1	1	1	1	1	1	1	1	1	
81	Speedometer .			1	1	1	1	1	1	1	1	1	1	1	1	1	.	1	1	1	1	1	1	1	1	1	1	If fitted.
82	[illegible], spare tyre			2	2	2	2	.	.	..	.	..	.	.	.	(a) 1	.	2	2	.	..	.	.	..	..	.	..	
83	Tachometer					.	.	.		.	.			..	.	..	..	1	1	1	1	1	1	1	1	1	..	If fitted.
	Tins, for—																											
84	Carbide 1 lb			(d) 1	(d) 1	(d) 1	(d) 1	(d) 1	1	(d) 1	(d) 1		(d) 1	(d) 1	(d) 1	1	1	.	.	..	..	..	..	..	.	1	..	
85	Engine oil 1 gall.	.		1	1	1	1				..		.	.		1	..	1	1	..	..	..		.	..	1	..	
86	Gear oil 1 gall						-							.	.	1	.	.	.	.	..	..	..	..	.	1	1	
87	Grease			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
88	Tommy bars—for use with spanners at Items 76 and 78 above			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
89	Tool bag empty .			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
90	Tool roll empty	1	1				.	.				..	..	..	.	..	.	..	..	..	..	..	.	..	..	.	..	
91	Tools for removing locking ring and tyre (Tun kit) sets					.		(a) 1		(a) 1	(a) 1			.	.		.	1	1	1	1	1	1	1	1	1	..	
	Trench—																											
92	Pick .				.								.		..		.		.	.	.	..	..	..	..	..	2	
93	Pick spare [illegible]												.	.	..		..	.	.	.	.	..	..	.	..	.	2	

APPENDIX 40—*contd.*

Item No.	Item of Equipment.	Motor Cycles.		Four-Wheeled Vehicles.																Six-Wheeled Vehicles.										Remarks.
		Solo.	Combination.	Motor Cars.	Motor Ambulances.	Vans.	Tenders.	30-Cwt. Lorries.	3-Ton Lorries.	Charging Lorries.	Electric Light Lorries.	Petrol Tank Lorries.	Store Lorries.	Mobile Workshop-Lorries.	1st Aid Lorries.	Armoured Cars.	Disinfector Lorries.	Motor Cars.	Motor Ambulances.	30-Cwt. Lorries.	3-Ton Lorries.	Petrol Tank Lorries.	Store Lorries.	Mobile Workshop-Lorries.	1st Aid Lorries.	Armoured Cars.	Tractors, Holt.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	Track—*contd.*																											
94	Pins	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	
95	Pins keeper	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	
96	Tyre pressure gauge.	..	..	1	1	1	1	(a) 1	..	(a) 1	(a) 1	..	..	..	..	(a) 1	..	1	1	1	1	1	1	1	1	1	..	
	Tyres—																											
97	Covers, outer	..	..	1	1	1	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	Spare.
98	Tubes, inner	1	2	2	2	2	2	(a) 1	..	(a) 1	(a) 1	..	..	..	..	(a) 2	..	1	1	1	1	1	1	1	1	2	..	Spare.
99	Vulcanizers, shaler, 5-minute.	..	..	1	1	1	1	(a) 1	..	(a) 1	(a) 1	..	..	..	..	(a) 1	..	1	1	1	1	1	1	1	1	1	..	With heat units.
100	Water connections and clips . . sets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	Spare.
101	Wheels, spare, with cover and tube fitted.	..	..	(b) 1	1	1	1	(a) 1	..	(a) 1	(a) 1	..	..	..	..	(a) (e)	..	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	..	Spare.
	Wrenches—																											
102	6" adjustable	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

103	10" adjustable .	.		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
104	9" footprint .		.				.	.	.	.	.		.	.	.	..	..	..	..	..	..	..	..	..	..	..	1	
105	Carriers for cans, P O W.					.	.	1	1	1	1	1	1	1	1	1	1	..	..	1	2	2	2	2	2	2	1	If required.
106	Covers, cushion sets		1	1	1	.		.			.	.			.	..	..	1	1	..	..	..	..	..	..	..	..	
107	Covers lamp (m) .	.								.	.				.	..	.	.	..	.	..	.	.	..	..	..	..	
108	Fittings, for pick and shovel							.						.		1	.	..	.	1	1	.	1	1	1	1	..	
109	Poker												.		.		1	.	..			..	.	..	..	..	..	
110	Rake, fire .							.								.	1	.	.	.		..	..		..		..	
	I & O C Supplies																											
	Section F																											
111	Chisels cold, ¾ in			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1 (g)	1 (g)	1	1 (g)	1 (g)	1 (g)	1 (g)	1	
112	Crowbars, steel, 5' 6"															1				1	1	.	1	1	1	1	..	
	Files second cut—																											
113	Half round, 10"																							..			1	
114	Round, 10"																	.	.			..	..	.	..	..	1	
115	Files, handles, small	.																	.	.	.	.				.	1	
116	Hammers, engineers, ballpane, 1 lb 8-oz			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
117	Pliers, gas, 9" prs.														.				.	.	..	.		.	..	1	1	
118	Punches round 4"			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	[illegible]—																											
119	4"	1	1													1			.								..	
120	6"			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

APPENDIX 46—*concld.*

Item No.	Item of Equipment.	Motor Cycles. Solo.	Motor Cycles. Combination.	Four-Wheeled Vehicles. Motor Cars.	Motor Ambulances.	Vans.	Tenders.	30-Cwt. Lorries.	3-Ton Lorries	Charging Lorries.	Electric Light Lorries.	Petrol Tank Lorries.	Store Lorries.	Mobile Workshop-Lorries.	1st Aid Lorries.	Armoured Cars.	Disinfector Lorries.	Six-Wheeled Vehicles. Motor Cars.	Motor Ambulances.	30-Cwt. Lorries.	3-Ton Lorries	Petrol Tank Lorries.	Store Lorries.	Mobile Workshop-Lorries	1st Aid Lorries.	Armoured Cars.	Tractors, Holt.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	Section F—contd.																											
121	Spanners, double ended, 5/8" and 1/2".	..	..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Section G.1.																											
122	Padlocks, I. G., 1 1/4"	..	..	2	2	2	2	3	3	3	3	3	3	3	3	4	3	2	2	2	2	2	2	2	2	2	2	
	Section H 2.																											
123	Skins, chamois, leather.	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	1	..	
	Section J.																											
124	Axes, felling	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	(f) 1	(g) 1	..	(g) 1	(g) 1	(g) 1	1	..	
	Axes, pick, 4 1/2-lb.—																											
125	Heads	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	1	..	1	1	1	1	..	
126	Helves	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	1	..	1	1	1	1	..	

127	Buckets, water canvas	..	..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
128	Shovels, G. S.	..	.	..	..	.	..	.	..	.	..	..	.	..	.	1	..	..	1	1	1	..	1	1	1	1	..
	Section K.																										
129	Spares, motor car and aircraft			1	1	..			.		.	.		..	.	1	.	1	1	..	.		..	..	..	1	..
130	Stretchers, ambulance				4	.				.			.		.	.	.	.	4	.		.	..	..	..	.	..
	Section L																										
131	Extinguishers, Fire, Antifyre-Minimax, type "D"			1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	1
132	Refills													.		2				.		.	..	..	..	2	.
	Section M																										
133	Case Intersating No. 9			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

(a) If fitted with pneumatic tyre equipment.
(b) If equipped with electric lighting.
(c) [illegible] except when fitted with well type [illegible].
(d) If fitted with [illegible] lighting.
(e) Single tyred vehicles 1. Twin tyred vehicles 2.
(f) For [illegible] vehicles only.
(g) For Royal Artillery and Royal Tank Corps vehicles only.
(h) If not fitted with [illegible].
(i) [illegible] A [illegible]
(i) [illegible] Internal Security Section spare tractors and the tractors allotted to the R. A. T. C. on mobilization—
[illegible] per [illegible]
(ii) [illegible]
[illegible] per [illegible]
(iii) In addition to the above [illegible] per section of Medium Artillery
[illegible] per [illegible]
G. S. [illegible] 100 per cent.
Q. M. G. Vehicles 20 per cent.
(j) For Royal Tank Corps vehicles only.
(k) If [illegible] the scale will be two and items 8, 9 and 10 will not be admissible.
(l) [illegible] and Douglas motor cycle.
(m) [illegible] will not be manufactured until [illegible] have been [illegible].

APPENDIX 47

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 47.

(Referred to in para. 38.)

Detail of Equipment for Mobile Workshop lorries.

NOTE.—Unless otherwise indicated all items are M. T. Supply.

Item No.	Article.	No. or quantity per lorry.	REMARKS.
1	Dynamo, 5 K. W., 110 volt	1	For all units other than Sappers and Miners.
2	Dynamo, 10-55 K. W., 110 volt	1	For Sapper and Miner units only.
3	Regulator for dynamo	1	
4	Switchboard, complete	1	
5	Motor driven, screw cutting lathe	1	
6	Motor for lathe, 110 volt	1	1¼ H. P. for 6½" lathe 1½ H. P. for 7" Lathe
7	Motor for circular saw, 10 H. P., 110 volt	1	For Sapper and Miner units only.
8	Starter for motor	1	Separately mounted for 6½" lathe motor.
9	Saw, bench	1	For Sapper and Miner units only.
10	Special cut-out	1	
11	Circular saws, sizes—		
	14 in. × 12 gauge	4	For Sapper and Miner units only.
	16 in. × 12 gauge	4	
	18 in. × 10 gauge	2	
	24 in. × 0 gauge	1	
12	Grinding machine, electric, 110 volt	1	
13	Machine, drilling, portable, electric, 110 volt	1	
14	Machine, drilling, radial, electric, 110 volt	1	
15	Forge, portable, fitted with blower and driving motor	1	
16	Anvils, 1½ cwt.	1	I. A. O. C. supply.
17	Blocks, 1½ cwt.	1	I. A. O. C supply.
18	Machine, drilling, hand, wall or post	1	
19	Bench with 2 drawers	1	4 wheeled lorries.
		2	6 wheeled lorries.
20	Vices, bench—		
	6", jaws	1	
	4½", jaws	1	
21	Lean-to ladder	1	When fold-up steps are not fitted
22	Spare chain for dynamo drive	1	(1 set where more than one are fitted)
23	Armoured hosing, with brass union, inside diameter, 1½"	1	For engine exhaust.
24	Workshop flex, length of 450 feet	1	
25	Workshop flex, lengths of 75 feet, complete with coupling	6	
26	Cable, twin flex, length of 60 feet complete with coupling	1	For forge

APPENDIX 47—*contd.*

Item No.	Article	No or quantity per lorry.	Remarks
27	Bolting driving leather, single ft	26	For circular saw (Sapper and Miner units only) I A. O C. supply
28	Lamps, brazing, 5 pint	1	I A O C. supply
29	Charging resistence	1	
30	Hand lamps	4	
31	[illegible]	2	
[illegible]	[illegible]	1	
[illegible]	[illegible] plug,	2	4 wheeled lorries
	[illegible] straight	3	6 wheeled lorries
34	Niphan angle socket and plug	7	
35	Running spares for dynamo—		
	Brushes	1 set	
	Brush holder spindle with insulation	1	
	Brush holder spring	2	
36	Set of Tools and components of motor driven screw cutting lathe comprising—		
	(i) Change wheels sets	1	For 6½" lathe—15 wheels. For 7" lathe—14 wheels
	(ii) Face plate	1	
	(iii) Driver plate	1	
	(iv) Travelling steady	1	
	(v) *Hand rest with 2 tees*	1	
	(vi) Fixed steady	1	
	(vii) Hardened tool steel centres	2	
	(viii) Calculated table of change wheels for english and metric threads	1	
	(ix) Raw hide belt	1	
	(x) Drip can and stand	1	
	(xi) Chuck, 10" 4 jaw independent, with key	1	
	(xii) Chuck, 6", 3 jaw self centring, with 2-sets of jaws and key	1	
	(xiii) Chuck, drill, 0—½"	1	
	(xiv) Tool, lathe, slide rest, (set of 12) sets	1	
	(xv) Tool, turning, metal, hand, (set of 6)	1	
	(xvi) Boring bar with 3 cutters	1	
	(xvii) Dogs for face plate, (set of 4) sets	1	
	(xviii) Half centres, hardened steel	1	
	(xix) Drills, slocumb—		
	½"	1	
	⅜"	2	
	(xx)* Angle plate for fixing to face plate with two bolts and nuts	1	
	(xxi) Chasers, hand, inside, metric, sizes—1, 1 25, 1·5, 1 75, 2 2·5 and 3 m m—One of each size	7	

* Width and thickness to be stated on demands.

APPENDIX 47—*concld.*

Item No.	Article.	No. or quantity per lorry.	REMARKS.
36—*concld.*	(xxii) Chasers, hand, outside, metric, sizes—1, 1.25, 1.5, 1.75, 2, 2.5, and 3 m/m—One of each size	7	
	(xxiii) Chasers, hand, inside, whitworth, sizes—6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 20, 22 and 26 T. P. I.—One of each size	13	
	(xxiv) Chasers, hand, outside, whitworth, sizes—6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 20, 22 and 26 T. P. I.—One of each size	13	
	(xxv) Lather carriers, 1", 1½", 2"—One of each size	3	
	(xxvi) Spanners for all nuts	3	
	(xxvii) Tool holder with 6-high speed cutters	1	
	(xxviii) Tool chest complete with handle, lock and key	1	
37	Blocks, swaging	1	
38	Chuck, drill, 0-½" Almond pattern	1	
39	Arbor, No. 2, Morse taper for Chuck, drill, Almond pattern	1	
40	Chuck, drill, 0-¼" Almond pattern and fitted with No. 1 Morse taper arbor	1	
41	Chuck sleeve, Morse taper 1-2	1	
42	Chuck sleeve, Morse taper 2-3	1	
43	Crowbars, 2' 3"	1	
44	Pots, melting, 7 inch	1	I. A. O. C. supply.
45	Ladles, 4", for melting pot	1	I. A. O. C. supply.
46	Nuts, die, hex., Whitworth, sizes—¼", 5/16", ⅜", 7/16", ½", ⅝", ¾", ⅞" and 1"—One of each	9	
47	Nuts, die, hex., B. S. F., sizes—¼", 5/16", ⅜", 7/16", ½", ⅝", ¾", ⅞", and 1"—One of each	9	
48	Nuts, die, hex., gas, sizes—¼", ½", and ¾"—One of each	3	
49	Nuts, die, hex., Metric, sizes—6, 8, 10, 11, 12, 14, 16, 18, 20, 22, and 24 m/m—One of each	11	
50	Drills, twist, straight shank, sizes—1/16" to ¼" x 1/64"—of each size	6	
51	Drills, twist, straight shank, sizes—17/64" to ½" x 1/64"—of each size	3	
52	Drills, twist, straight shank, sizes—33/64" to 1" x 1/64"—of each size	1	
53	Drills, twist, taper shank, sizes—33/64" to 1" x 1/64"—of each size	1	

APPENDIX 48

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 48.

(Referred to in para. 38.)

Detail of contents of tool chests of M. T. supply.

Item No.	Description of stores.	Number per chest. Mark A. Carpenters and wheelers.	Mark B. Blacksmiths.	Mark C. Coppersmiths.	Mark F. Fitters.	Mark G. Painters.	Mark H. Electricians.	Mark P. Trimmers.	Remarks.
	Section D.1.								
1	SCISSORS, trimming . . . prs.	..	..	..	..	..	..	1	
	Section F.								
	ADZES—								
2	Handles	1	..	..	..	..	..	..	
3	Heads	1	..	..	..	..	..	..	
	APRONS—								
4	Leather	..	1	..	..	..	..	..	
	AUGERS—								
5	½ inch	1	..	..	..	..	..	..	
6	¾-inch	1	..	..	..	..	..	..	
7	1 inch	1	..	..	..	..	..	..	
	AWLS—								
	Blades—								
8	Brad (a) . . . . doz.	1	..	..	..	..	..	..	
9	Garnishing . . . . "	..	..	..	..	..	..	1	
10	Harness, 2½-inch . . . "	..	..	..	..	..	..	1	
	Handles, brad—								
11	Large . . . . . "	2	..	..	..	..	..	1	
12	Small . . . . . "	2	..	..	..	..	..	1	

13	BASKET, tool, carpenters		1	..	..	..	..	..	..
14	BEVELS, wood, 10½-inch		1	..	..	..	..	..	..
15	BLOWPIPES		..	..	1	..	..	..	..
16	BRACES, carpenters		1	..	..	..	..	..	..
17	Bits	set.	1	.	..	..	..	..	..
	BRUSHES—								
18	Dusting		..	..	..	..	4	..	..
	Lacquer—								
19	1½-inch		..	..	..	.	2	..	..
20	3 ,,		.	..	..	..	2	..	..
	Sash, tool—								
21	No 2		..	..	.	.	1	..	..
22	No 6		1	..	..	..	..	..	..
23	No 8		..		..	..	1	..	..
	CALLIPERS—								
	5-inch—								
24	Inside	prs	1	..	.	1	..	..	..
25	Outside	,,	1	.		1	..	..	..
26	8 inch, outside	,,	.	1	..	..	..	.	..
	CANS—								
27	Oil, lubricating, ½-pint		1	.	..	1	..	..	.
28	Paint, small		..	..	.	.	1		..
	CHISELS—								
	Cold—								
29	¾-inch		..	1		..	..	..	.
30	½ ,,		.		.	1	.	.	.
31	Cross cut, ½-inch		..	1	.		.	.	..
32	Engraving		.	1	..	1	.	..	.
	Firmer—								
33	¼ inch		1	..	..	.	..	..	..
34	⅜ inch		1	.	.	..		..	..
35	⅝ ,,		1	.	.			..	
36	¾ ,,		1				.	..	..
37	1 ,,		1		.	..	..	..	..
38	1¼ ,,		1		.	..	..	.	
39	Ripping		.			..	..	.	1

APPENDIX 48—*contd.*

Item No.	Description of stores.	Number per chest. Mark A. Carpenters and wheelers.	Mark B. Black-smiths.	Mark C. Copper-smiths.	Mark F. Fitters.	Mark G. Painters.	Mark H. Electri-cians.	Mark P. Trimmers.	Remarks.
	Section F—contd.								
	COMPASSES, wing—								
1	7 inch . . . . . prs.	1	..	1	..	..	..	..	
2	10 " . . . . . . "	..	1	..	..	..	..	1	
3	CUTTERS anvil, flat, small . .	..	1	..	..	..	..	..	
4	DIAMONDS, glaziers . . .	..	..	..	..	1	..	..	
	DRIFTS, steel—								
5	[illegible] inch	1	..	..	..	..	..	..	
6	[illegible] "	1	..	..	..	..	..	..	
7	[illegible] "	1	..	..	..	..	..	..	
8	[illegible] "	1	..	..	..	..	..	..	
9	[illegible] "	1	..	..	..	..	..	..	
	FILES—								
	Bastard—								
10	Hand, safe edge, tanged, 14-inch	1	..	..	..	..	..	..	
	Round—								
11	8 inch	..	..	..	1	..	..	..	
	Saw, taper, second cut single—								
12	3 inch	4	..	..	..	..	..	..	
13	6 "	4	..	..	..	..	..	..	
14	8 "	..	..	..	1	..	..	..	
15	Handles, small	1	..	..	1	..	..	..	
16	FLATTERS	..	1	..	..	..	..	..	
	GAUGES, carpenters—								
17	Marking	1	..	..	..	..	..	..	

18	Mortice	1	..	..	..	..	..	..
	GIMLETS, twist—							
19	No 4	1	..	..	..	..	..	..
	GOUGES, firmer, ground, outside—							
20	½ inch	1	..	..	..	..	..	..
21	¾ ,,	1	..	..	..	..	..	..
22	1 ,,	1	..	..	..	..	..	..
	HAMMERS—							
23	*Carpenters*, Warrington pattern, 1 lb.	1	.	.	..	..	..	..
	Engineers' ballpane—							
24	8 oz	1	..	..	..	1	..	..
25	1-lb		..	1	1	.	..	.
26	1 lb, 8-oz	1			..	..	..	..
27	Riveting, 4-oz	.		1	.	..	..	..
28	Set with eye	..	1		.	.	..	..
	Sledge, straight pane—							
29	7 lb		1		.		..	..
30	10-lb		1		..	..	..	..
31	Smiths, hand	.	1		..	..	..	..
32	Tinmans, paning			1	.	.	.	.
33	HOOKS, shave, 2"	..		1	..	..	..	..
	IRONS, soldering—							
34	*Hatchet*, 2½ lb.	.		1	..	..	..	..
	Straight—							
35	¾ lb	..		1		..	.	..
36	1½ lb	.	.	1	.	..	..	..
	KNIVES—							
37	Chisel	..	..	.	..	1	..	..
38	Drawing, carpenters	1		.	..	..	..	..
39	Hacking	..	..	.	..	..	1	..
40	Palette, 9 inch	..	..	.	.	1	..	..
41	Putty	.	..	.	.	1	..	.
42	Trimming			..	.		..	..
43	LAMPS, brazing, 2-pints	..			..	..	1	1
44	LADLES, 4 inch	..	.	1	..	1	..	..
45	LINES, bricklayers or carpenters	1	..	1	..	.	..	..

APPENDIX 48—*contd.*

Item No.	Description of stores.	Number per chest. Mark A. Carpenters and wheelers.	Mark B. Black-smiths.	Mark C. Copper-smiths.	Mark F. Fitters.	Mark G. Painters.	Mark H. Electri-cians.	Mark P. Trimmers.	Remarks.
	Section F—contd.								
	COMPASSES, wing—								
1	7 inch . . . . prs.	1	..	1	..	..	..	..	
2	10 „ . . . . „	..	1	..	..	..	..	1	
3	CUTTERS anvil, flat, small . .	..	1	..	..	..	..	..	
4	DIAMONDS, glaziers . . .	..	..	..	..	1	..	..	
	DRIFTS, steel—								
5	[illegible] inch	1	..	..	..	..	..	..	
6	[illegible] „	1	..	..	..	..	..	..	
7	[illegible] „	1	..	..	..	..	..	..	
8	[illegible] „	1	..	..	..	..	..	..	
9	[illegible] „	1	..	..	..	..	..	..	
	FILES—								
	Bastard—								
10	Hand, safe edge, tanged, 14-inch	1	..	..	..	..	..	..	
	Round—								
11	8 inch	..	..	..	1	..	..	..	
	Saw, taper, second cut single—								
12	3 inch	4	..	..	..	..	..	..	
13	6 „	4	..	..	..	..	..	..	
14	8 „	..	..	..	1	..	..	..	
15	Handles, small	1	..	..	1	..	..	..	
16	FLATTERS	..	1	..	..	..	..	..	
	GAUGES, carpenters—								
17	Marking	1	..	..	..	..	..	..	

	PLIERS—								
20	Gas, 9 inch	prs	..	..	1	1	..	..	..
21	Flat, nose	"	..	..	..	..	1	1	1
22	Round nose, 6 inch	"	..	..	1	..	..	..	..
23	POKERS, forge, portable		..	1	.	..	..	..	..
	POTS—								
24	Glue, 1 pint		1	.	.	..	..	..	..
25	Melting, 7-inch		.	..	1	..	..	..	..
	PUNCHES—								
	Centre—								
26	4-inch		.	..	.	1	..	..	..
27	5 "		.	1	..	.	.	.	.
	Leather, round—								
28	No 4		..	..	..	..	..	..	1
29	No 9		.	..	..	..	..	..	1
30	No. 10		.	..	..	..	..	..	1
31	No 12		..	..	..	..	.	..	1
32	No. 13		..	..	.	.	..	..	1
33	No 14			..	..	..	..	..	1
34	No 15			..	..	..	.	..	1
35	No 16		..	..	..	..	..	..	1
	Round—								
36	1/8 inch			..	1	1	..	..	..
37	3/16 "			..	1	1	..	..	..
38	1/4 "		1	1	1	..	..	..	..
39	3/8 "			1		..	.	..	..
40	1/2 "		.	1	..	..	..	..	.
	Smiths—								
41	3/8 inch		.	1	.	.	..	..	.
42	1/2 "		..	1	.	..	..	..	.
43	5/8 "		.	1	.	.	..	..	.
44	REELS, carpenters, line		1	..	..	..	.	..	..
	RULES—								
45	Box wood, 4 fold		1	..	..	..	.	..	1
46	Brass		.	1	..	..	..	..	.
	Steel—								
47	6 inch		..	..	..	1	..	..	..
48	1 ft		.	..	1	..	.	.	.

APPENDIX 48—*contd.*

Item No.	Description of stores.	Number per chest. Mark A. Carpenters and wheelers.	Mark B. Blacksmiths.	Mark C. Coppersmiths.	Mark F. Fitters.	Mark G. Painters.	Mark H. Electricians.	Mark P. Trimmers.	Remarks.
	Section F—contd.								
	SAW—								
1	Compass	1	..	..	..	..	..	..	
2	Hand, 20 inch	1	..	..	..	..	..	..	
3	Tenon, 14-inch	1	..	..	..	..	..	..	
	SCREWDRIVERS—								
	Cabinet—								
4	4 inch	1	..	..	1	..	1	1	
5	6 "	..	..	..	1	..	1	1	
	London—								
6	12 inch	1	..	..	..	..	..	..	
7	SCRIBERS	..	1	1	..	..	..	..	
	SETS—								
8	Saw, hand	1	..	..	..	..	..	..	
9	Cold, with eye	..	1	..	..	..	..	..	
10	Hot, with eye, light	..	1	..	..	..	..	..	
	SHEARS, tinmans, snip—								
11	Bent	..	..	1	..	..	..	..	
12	Straight	..	..	1	..	..	..	..	
	SPANNERS—								
13	Adjustable, 6 inch	..	..	1	1	..	..	..	
	Double ended—								
14	¼ inch and ⅜-inch	..	..	..	..	..	1	..	
15	⅜ inch and $\frac{7}{16}$ inch	..	..	..	1	..	1	..	
16	½ inch and ⅝ inch	..	..	..	..	..	1	..	

17	SPOKESHAVES	1	..	..	..	..	..	..
	SQUARES—							
18	Carpenters, 9-inch	1	..	..	..	..	..	..
19	Fitters	..	..	1	..	..	..	..
20	Smiths	..	1	..	..	..	..	..
21	THIMBLES, tailors	..	..	..	..	..	..	2
22	VICES, hand, 4-inch	..	..	..	1	..	..	..
	Wrenches, footpoint—							
23	9 inch		..	1	..	..	..	..
24	12 „	..	.	..	..	..	1	..
	Section G-1							
25	PADLOCKS, I G., 1½ inch	..	1	..	1	..	..	..
	Section J							
26	AXES, felling	1	..	..	..	..	..	..
	Section L							
27	SHOVELS, coal	..	1	..	..	..	..	..
	Section V-2.							
28	T-SQUARES, 24 inch, instructional	.	..	..	..	1	..	..
29	TAPES, measuring steel, 50-feet	..	..	..	..	..	1	..
	Section W-2							
30	GLOVES, rubber, 5-in 11-in. A prs	..	..	..		..	1	..
	Clothing Section 18							
31	KNIVES, clasp		..		..	.	1	.
	Clothing Section 19							
32	TAPES, measuring		..	.	..	..	..	1
	Mechanical Transport Supply							
33	CHESTS, tool, empty with key	1	..	1	.	1	1	1
34	CHESTS, tool, empty		1	.	1	..	..	..
35	*BARS, tommy, for box spanners*	..	.	..	1	..	..	..
36	BITS, reamer, set of 7 . sets	.		.	.	..	1	..
37	CARBORUNDUM SLIPS, fine, 6 inch - 2½ inch < ⅝ inch to ⅞-inch	1	.	.	..	..	..	..

APPENDIX 48—*contd.*

Item No.	Description of stores.	Number per chest. Mark A. Carpenters and wheelers.	Mark B. Blacksmiths.	Mark C. Coppersmiths.	Mark F. Fitters.	Mark G. Painters.	Mark H. Electricians.	Mark P. Trimmers.	Remarks.
	Section F—contd.								
	SAW—								
1	Compass	1	..	..	..	..	..	..	
2	Hand, 26 inch	1	..	..	..	..	..	..	
3	Tenon, 14 inch	1	..	..	..	..	..	..	
	SCREWDRIVERS—								
	Cabinet—								
4	4 inch	1	..	..	1	..	1	1	
5	6 „	..	..	..	1	..	1	1	
	London—								
6	12 inch	1	..	..	..	..	..	..	
7	SCRIBERS	..	1	1	..	..	..	..	
	SETS—								
8	Saw, hand	1	..	..	..	..	..	..	
9	Cold, with eye	..	1	..	..	..	..	..	
10	Hot, with eye, light	..	1	..	..	..	..	..	
	SHEARS, tinmans, snip—								
11	Bent	..	..	1	..	.	..	..	
12	Straight	..	..	1	..	..	..	..	
	SPANNERS—								
13	Adjustable, 6 inch	..	..	1	1	..	..	..	
	Double ended—								
14	¼ inch and ⅜-inch	..	..	..	..	..	1	..	
15	⅜ inch and $\frac{7}{16}$ inch	..	..	..	1	..	1	..	
16	½ inch and ⅝ inch	..	.	..	..	..	1	..	

17	SPOKESHAVES	1	..	..	..	..	..	..
	SQUARES—							
18	Carpenters, 9 inch	1	..	..	..	..	..	..
19	Fitters	.	..	1	..	..	..	..
20	Smiths	..	1	..	..	..	..	..
21	THIMBLES, tailors	.	..	..	..	..	..	2
22	VICES, hand, 4 inch	..	.	..	1	..	..	..
	Wrenches, footpoint—							
23	9-inch	.	.	1	.	.	..	..
24	12 "	.	.	..	..	..	1	..
	Section G-1							
25	PADLOCKS, I G, 1¼ inch	.	1	..	1	..	.	..
	Section J.							
26	AXES, felling	1	.	..	..	..	..	..
	Section L							
27	SHOVELS, coal	.	1	..	..	..	..	..
	Section V 2.							
28	T SQUARES, 24 inch, instructional	.	.	..	..	1	..	..
29	TAPES, measuring steel, 50 feet	..	.	..	..	..	1	..
	Section W-2							
30	GLOVES, rubber, 5-in. 11-in. A prs	.	.	..	..	..	1	..
	Clothing Section 18							
31	KNIVES, clasp	.	.	..	..	..	1	..
	Clothing Section 19							
32	TAPES, measuring		.	..	.	.	..	1
	Mechanical Transport Supply							
33	CHESTS, tool, empty with key	1		1	.	1	1	1
34	CHESTS, tool, empty		1		1	.	..	..
35	BARS, tommy, for box spanners			.	1	.	.	..
36	BITS, reamer, set of 7 . . sets			.	.	..	1	..
37	CARBORUNDUM SLIPS, fine, 6 inch 2½ inch ¾ inch to ⅜-inch	1		.	.	..	..	..

APPENDIX 48—*contd.*

Item No.	Description of stores.	Number per chest. Mark A. Carpenters and wheelers.	Mark B. Black-smiths.	Mark C. Copper-smiths.	Mark F. Fitters.	Mark G. Painters.	Mark H. Electri-cians.	Mark P. Trimmers.	Remarks.
	Mechanical Transport Supply—contd.								
	CREASES—								
	Bottom—								
1	[illegible] inch	..	1	..	..	..	..	..	
2	[illegible] "	..	1	..	..	..	..	..	
3	[illegible] "	..	1	..	..	..	..	..	
4	[illegible] "	..	1	..	..	..	..	..	
	Top, rodded—								
5	[illegible] inch	..	1	..	..	..	..	..	
6	[illegible] "	..	1	..	..	..	..	..	
7	[illegible] "	..	1	..	..	..	..	..	
8	[illegible] "	..	1	..	..	..	..	..	
	FULLERS—								
	Bottom—								
9	[illegible] inch	..	1	..	..	..	..	..	
10	[illegible] "	..	1	..	..	..	..	..	
11	[illegible] "	..	1	..	..	..	..	..	
12	[illegible] "	..	1	..	..	..	..	..	
	Top—								
13	[illegible] inch	..	1	..	..	..	..	..	
14	[illegible] "	..	1	..	..	..	..	..	
15	[illegible] "	..	1	..	..	..	..	..	
16	[illegible] "	..	1	..	..	..	..	..	
	HAMMERS, trimmers—								
17	Cross face, handled	..	..	..	..	..	..	1	
18	Cabriolet, handled	..	..	..	..	..	..	1	

	IRONS—							
19	*Pressing*, flat, 4 lb.	..	..	..	..	..	..	1
20	Stuffing (or regulator, hair), 24-inch	..	..	..	..	..	..	1
21	KNIVES, harness makers, head	..	..	..	..	..	..	1
	NEEDLES—							
	Sewing machine—							
22	No 18	..	..	..	..	..	..	48
23	No 19	..	..		..	..	..	48
24	Tufting, 10-inch	..	..	..		..	..	12
25	PINS, turn	..	..	1	..	..	..	..
	PLIERS—							
26	Combination, 7-inch . . prs.	1		1	1	..	1	..
27	Cone, straight, 8 inch . . "	..	..	..	1	..	..	..
	PUNCHES—							
28	And closer, plier, type for press buttons	..	..	..	..	..	..	1
	Eyelet, with block, for—							
29	Oval, turn button eyelet	..	..	..	..	..	..	1
30	½ inch round eyelet	..	..		..	..	..	1
	Hollow—							
31	¼-inch	..	..	..	..	..	..	1
32	½ "	..	..	..	..	..	..	1
33	1 "	..	..	..	..	..	..	1
	SCRAPERS, bearing—							
34	3 squares, 8-inch		..	..	1	..	..	..
35	Flat, 8 inch	..	..	..	1	..	..	..
36	½ round, bent, 8 inch	..	..	..	1	..	..	..
37	½ round, straight, 6 inch	..	..	..	1	..	..	..
38	SHEARS, canvas, 13 inch . prs	..	..	..	..	..	..	1
39	SKEWERS, upholsterers, 4-inch	..	..	..	..	..	..	36
	SPANNERS—							
	Box, D E—							
40	¼ inch× 5/16-inch, Whit	..	..	..	1	..	..	..
41	⅜-inch× 7/16-inch, "	..	..	..	1	..	..	..
42	½-inch× 9/16 inch, "	..	..	..	1	..	..	..
43	⅝ inch× ¾-inch, "	..	..	..	1	..	..	..

APPENDIX 48—*concld.*

Item No.	Description of stores.	Number per chest. Mark A. Carpenters and wheelers.	Mark B. Blacksmiths.	Mark C. Coppersmiths.	Mark F. Fitters.	Mark G. Painters.	Mark H. Electricians.	Mark P. Trimmers.	Remarks.
	Mechanical Transport Supply—concld.								
	SPANNERS—*concld.*								
	D. E.—								
1	3/8 inch × 5/16 inch, Whit . .	..	..	..	1	..	1	..	
2	1/4 inch × 3/16 inch " . .	..	..	..	1	..	1	..	
3	Magneto	..	..	..	..	..	1	..	
4	TONGS, assorted . . . prs.	..	5	..	..	..	..	..	
5	Tongs, draw, dutch . . "	..	..	..	..	..	1	..	
	WRENCHES—								
	Adjustable—								
6	10 inch	..	..	..	1	..	..	..	
7	12 "	1	..	..	..	..	..	..	
	Clyburn pattern—								
8	6-inch	..	..	..	..	..	1	..	
9	10 "	..	..	..	..	..	1	..	
10	Footprint, 7 inch. . . .	..	..	..	..	..	1	..	
	Unit Manufacture.								
11	HANDLES, wire, for punches. .	..	4	..	..	..	..	..	
12	RAKE	..	1	..	..	..	..	..	

APPENDIX 49

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 49.

Referred to in para. 33.

Detail of Equipment for Breakdown Lorries.

NOTE.—The equipment shown in this appendix will be carried on all breakdown lorries, in addition to the standard scale of vehicle equipment authorised for the maintenance of the vehicles.

Item No.	Description of stores.	Number or quantity.		Remarks.
		3-ton lorries.	30-cwt. lorries.	
	I. A. O. C. SUPPLIES.			
	Section E-3.			
	Blocks, tackle, G. S., 3-inch—			
1	Double	1	—	
2	Treble	1	—	
3	Handspikes, 7-ft.	2	1	
4	Levers, 14-ft.	1	1	
	Skids—			
5	3-ft. × 6 inch × 5-inch	4	4	
6	3 ft. × 9 inch × 6-inch	4	—	
7	Tackles, differential, 3-ton	1	—	
	Section F.			
8	Crowbars, 5 ft. 6-inch	2	2	
[illegible]	[illegible]	2	1	
[illegible]	[illegible]	2	1	
[illegible]	[illegible]	1	1	
	[illegible]			
12	5 pints	1	—	
13	2 pints	—	1	
	Saws—			
	Hack—			
14	12 inch	1	1	
15	Blades	12	12	
16	Hand, 26 inch	1	1	
17	Vices, parallel, cast, 4½-inch	1	1	
	Section G-1.			
18	Chain, iron, 6½-oz. per yard . . yds.	4	—	
19	Padlocks, I. G., 3-in.	1	1	
	Section G 2.			
20	Solder, tinmans, soft . . lb.	2	2	
	Section H-1.			
21	Fluxite . . lb	1	1	
	Section H-2.			
22	Cordage, manilla, hawser, 3-inch. fms.	25	12	
23	Cordage, cotton, 1½ in. "	—	12	
	Section H-3.			
	Timber, deodar, planks—			
24	8 ft. 4 inch × 12 inch × 3 inch	4	—	
25	3 ft. × 12 inch × 1-inch	4	—	
26	3 ft. × 12 inch × 2 inch	4	4	
27	3 ft. × 12 inch × 3 inch	4	—	
28	6 ft × 12 inch × 3 inch	—	4	

APPENDIX 49—*concld.*

Item No.	Description of stores.	Number or quantity.		Remarks.
		3-ton lorries.	30-cwt lorries.	
	I. A. O. C. Supplies—*concld*			
	Section J.			
1	Axes, felling	3	1	
	Axes, pick, 6½-lb.—			
2	Heads	3	1	
3	Helves	3	1	
4	Spades	2	—	
	Section L.			
5	Lanterns, hurricane	2	2	
	M. T. Supplies.			
	Section E.			
6	Cable, high tension, 7 m/m. . ft.	10	10	
	Plugs, sparking—			
7	M. T. Standard	2	4	
8	7/8-in × 18 T. P. 1	2	2	
	Section G.			
9	Chains, non-skid, bracelet type . sets	1	—	
10	Jacks, with handle, 4-ton	2	2	
11	Jumbo axle	1	—	
12	Scotches, lorry (without chain)	4	—	
	Slings—			
13	Chain	2	—	
14	Rope	2	2	
15	Shackles, with bolts and nuts	10	6	
16	Ropes, towing, steel, for lorries	3	2	
17	"U" bolts, assorted	12	6	
18	Tin, empty, 1-gallon	—	1	For kerosine for brazing lamp.
	Section P.			
19	Blocks, pulley, double sheave, 8-in.	—	1	
20	Chests, fitters, Mk. F., filled (*a*)	1	1	
21	Crane	1	1	
	Unit Manufacture.			
22	Bolsters	1	1	
23	Cupboard, with bench top and shelves	1	1	
24	Hard wood baulks, 4 ft × 10-in × 3-in	—	1	

(*a*) For detail of

APPENDIX 50.

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 50.

(Referred to in para. 37.)

List of fire engines in arsenals and depôts of the I. A. O. C.

Establishments.	TYPES OF FIRE ENGINES.				
	MOTOR "DENNIS".			Chemical.	Manual.
	40/45 H. P.	30/36 H. P.	30/36 (Hand-drawn).		
Rawalpindi Arsenal . .	1	..	1	..	9
Ferozepore Arsenal . .	1	..	1	..	12
Allahabad Arsenal . .	..	1	1	..	4
Quetta Arsenal . . .	..	1	2	..	4
Kirkee Arsenal . . .	..	1	2	..	5
Mingaladon Arsenal . .	..	..	1	..	2
Lahore Depôt . . .	1	..	..	..	2
Fort William Depôt . .	..	..	..	2(a)	6
Drigh Road Depôt . .	..	..	..	..	3
Cawnpore Depôt . .	..	..	..	..	2
Clothing Depôt, Shahjahanpur.	..	..	..	..	1
Clothing Depôt, Quetta .	..	..	..	..	1
Clothing Depôt, Rawalpindi	..	..	..	..	2

(a) "Foamite Fire Foam" Model "D".

APPENDIX 51

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 51.

(Referred to in para 355.)

Instructions for the Care and Preservation of Range-finding, Optical and Scientific Instruments.

General Instructions.

1. The metal parts of instruments are to be cleaned with soft rags only, which are to be free from grit. The use of any abrasive material, unless specially ordered, is forbidden.

2. Mirrors are to be cleaned with soft old cotton sheeting only, which must be quite clean and free from any kind of grease. The rubbing must be gently performed.

3. The working parts of all intruments must be kept free from grit and dust to maintain them in an efficient working condition.

Only sufficient oil is to be applied to ensure the smooth working of the instrument and to protect the steel parts from rust.

One-man Range-finders.

4. Range finders (Barr and Stroud) must not be taken apart for cleaning or adjustment except by a *qualified person* (*see* para 19)

5. The instruments and their cases and canvas covers must be stored in a dry place, especially in tropical climates. If they should become damp they must be carefully dried. In the event of moisture penetrating the interior of the instrument (indicated [illegible] with mineral jelly.

6. The eye-pieces and end-windows are to be cleaned only with soft old cotton sheeting. Lenses and windows should be very lightly rubbed when being cleaned; care must be taken not to scratch them

7. No oil or grease of any kind should be allowed to get on to any of the lenses or windows, nor should they be touched with the fingers nor breathed upon.

8. Every care should be taken to protect the rubber face pieces from contact with oil or grease. Should they become soiled by oil or grease, a small quantity of French chalk should be used for absorption and the pieces subsequently cleaned with a dry cloth.

Telescopes, Periscopes and Binoculars.

9. Telescopes, periscopes and binoculars require careful treatment in order to keep [illegible] tion and treatment.

10. On no account must oil or grease be allowed on any of the lenses. Lenses should only be cleaned with soft old cotton sheeting which must be kept perfectly clean and dry and be used for this purpose only.

11. The exterior metal surfaces must be wiped clean with a dry cloth; if very dirty, a little turpentine may be used.

12. Metal caps, if stiff, should be lightly lubricated with a thin oil, only traces of which should be allowed to remain.

13. *Lenses* or their cells must never be removed unless they require cleaning on their inner surfaces, and when this is necessary it must only be done by a *qualified person* (*see* para 19).

14. The incorrect assembling of lenses in their cells, and the incorrect replacing of the cells in their tubes by incompetent people renders the telescope, periscope or binocular useless, and is likely to result in the fracture of the lenses or the destruction of the screw threads on the cells.

APPENDIX 51—*concld.*

15. When telescopes, periscopes, or binoculars are not in use, their caps should be correctly replaced, focussing gears racked home, and the instruments placed in their cases (when such are provided).

16 Telescopes, periscopes and binoculars should be kept in a dry place, especially in tropical climates

17. Whenever carried, telescopes, periscopes and binoculars should be kept in their cases, and any unnecessary shaking, jolting, etc , avoided as much as possible

18. Telescopes, periscopes and binoculars should be frequently tested to see that they are in other and fit for use Damaged lenses, dented tubes, binoculars out of parallelism, and order similar defects are easily noticed, and steps should at once be taken to have those defects reported and the instruments repaired or exchanged The *testing* for collimation can be carried out by any one, but the adjustment of telescopes, periscopes and binoculars should only be undertaken by a *qualified person* (*see* para 19).

19 The term "*qualified person*" used in paras, 4, 13 and 18 applies to the following only :—

Ordnance Mechanical Engineer

Officers in possession of a *p a c.* certificate

Instructors in Gunnery.

Armament Artificers (R F Section)

Armament Artificers (Fitter's Section)

In addition, the following are qualified to remove the inner frame from Range finders for the purpose of cleaning the lenses, etc , but are not qualified to undertake any internal repairs or adjustments —

Armourers, R A. O C, and Artificers, R A, who have qualified at the Artillery College

20. Damages incurred through the dismantling of instruments "unqualified persons" will be treated as unfair wear and tear

APPENDIX 52

TO

Equipment Regulations (India) Part I, 1933.

APPENDIX 52.

(Referred to in para. 32.)

The lists given below show those parts of the equipment of Horse, Field, Medium and Mountain Artillery which will be left unpainted.

1. PARTS UNPAINTED, TO BE KEPT CLEAN WITH OIL ONLY.

Q. F. 13 AND 18 PR.

Gun and Carriage—

All working surfaces coming in contact with another surface.

Gun—

Clinometer plane (remove dirt or rust by rubbing with cotton waste dipped in par[illegible]

All *working* surfaces of breech fittings.

Carriage—

Plugs, filling hole.

Plates, handwheel (serrated).

Q. F. 4.5" HOWITZER.

Howitzer and Carriage—

All working surfaces coming in contact with another surface.

Howitzer—

Clinometer plane (remove dirt or rust by rubbing with cotton waste dipped in par[illegible]

All *working* surfaces of breech fittings.

Carriage—

Plugs, filling hole.

Plugs, closing.

Spindle worm elevating gear.

Q. F. 3.7" HOWITZER.

Howitzer and Carriage—

All *working* surfaces coming in contact with other surfaces.

Howitzer—

Clinometer plane (remove dirt or rust by rubbing with cotton waste dipped in par[illegible]

All *working* surfaces of breech fittings.

B. L. 2.75".

Gun and Carriage—

All *working* surfaces that come into contact with another surface.

Gun—

Clinometer plane (remove dirt or rust by rubbing with cotton waste dipped in par[illegible]

All *working* surfaces of breech mechanism and fittings.

All *working* surfaces of complete breech ring.

B. L. 6" HOWITZER.

Howitzer—

Clinometer plane (remove dirt or rust by rubbing with cotton waste dipped in par[illegible]

All working surfaces of breech mechanism and breech fittings.

Carriage—

Saddle and Cradle.

Top portion of cradle as far as breech fittings.

APPENDIX 52—*contd*

B L 6" HOWITZER—*contd.*

Sights.

Collar and pin securing sight.
Range dial and fittings and range wheel
Pins supporting rocking arm to pillar rear surfaces

B L. 60-PR GUN

Gun—

Front clinometer plane	Remove dirt or rust by rubbing with cotton waste dipped in paraffin
Breech clinometer plane	

All *working* surfaces of breech as assembled and breech fittings

Carriage—

Saddle and Cradle.

Positioning marks on cradle and saddle.
Metal liners front.
Bearing strips of saddle.
Control arc.
Bearing surface of packing block

---

2 PARTS UNPAINTED, TO BE KEPT CLEAN WITH BATH BRICK, OR ANY PATENT POLISH

Q F 13 AND 18-PR

Carriage—

Oil holes and lubricators (Bathbrick not to be used.)
Grease caps
Removeable nuts.
Nut adapter breech lug
Trail eye
Traversing Gear—
Lower socket of traversing lever
Cap crosshead
Nut check
Inscription plates

Q F 4 5" HOWITZER

Carriage—

Chains.
Oil holes and lubricators (Bathbrick not to be used)
Grease caps
Buffer cylinders
Removeable nuts
Tops of pivot pins
Nut securing gun
Cover screw traversing
Nut compressing disc springs saddle
Lower portion of traversing lever
Trail eye
Inscription plates.

APPENDIX 52—*contd.*

LIMBERS AND WAGONS 13, 18 PR. AND 4·5" HOWITZER.

Plates wrapping top and bottom
Swingletree hooks.
Tugs and nuts tug.
Eye and links on swingletree.
Oval loop and bands on bar supporting pole
Limber hooks.
Inscription plates.
Eyes perch.

Q. F. 3·7" HOWITZER.

Howitzer and Carriage—
Chains.
Oil holes and lubricators. (Bathbrick not to be used.)
Grease caps.
Removeable nuts.
Plugs.
Exposed portion of pivot pins.
Lever actuating cut off gear.
Front of slipper.
Tube screw guard of traversing gear.

Carriage—
Bracket carrying gear cover.
Ring and socket handspike and shafts.
Nut securing howitzer to recuperator.
Top face of pump bracket.
Inscription plates.

B. L. 2·75".

Carriage—
Oil holes and lubricators. (Bathbricks not to be used.)
Removeable nuts.
Nut piston rod.
Nut (cylinder hydraulic buffer).
Chains.
Pillar dial sight.
Inscription plates.

B. L. 6" HOWITZER.

Carriage—
Recoil indicator and screw securing.
Pipe connecting tank to buffer and fittings
Plug on top of gravity tank.
Handle of shifting valve.
Nuts securing roller races, right and left.
Handle of quick loading gear.
Pin, nut and chain, securing depression stop
Working surface and pins, securing cradle clamp
Trail eye and lifting handle.
Brackets pump and brackets cradle clamp
Pins connecting spring carrier, right and left.

APPENDIX 52– *contd.*

B. L. 6" HOWITZER– *concld.*

Carriage—concld.

Plates number, or instruction (raised letter)
Plates number, or instruction (bossed letter)

Sights.

Handle clamping dial sight.
Deflection reader and drums open sight
Dust excluder.

Limber.

Friction plate and pole bar stop.
Pins keep, pole draught and chain
Working parts of outrigger and stays.
Pins and brackets of engine draught connector
Draught hooks of swingletrees.
Plates copper poles draught No. 19.

B. L. 60-PR.

Carriage—

Rear end of buffer cylinders
Ends of the clamp securing gun and connecting rods.
Trail eye.
Locking bolt, pins and chains and tops of bracket
Slide housing guns.
Pump brackets
Gun clamp hooks (Breech only)
Studs for bar supporting cradle
Rear end of H. P. cylinders and gun nuts.
Dust cover in rear end of recuperator cylinder.
Screws retaining plate zero line readings.
Tops of all lubricators. (Bathbricks not to be used.)
Recoil indicating strip.
Pins hinge capesquare with chains.
Hooks for drag ropes on carriage
Projectors on side of carriage.
Bearing surface on piece for intermediate clamp.
Nut securing piston rods, and ends of pistons.
Cut off gear complete
Gravity tank complete with nuts securing.
Isolating valves and connecting pipes.
Caps of trunion bearing.
Plates instructional with plates retaining
Sight box—brackets

Sights

Brass plate on top of apparatus illuminating Sight Box.

Limber.

End of eye piece.
Pins and chains securing engine draught connector
Swingletree hooks
Hooks, ends, and pins portion of outriggers.

APPENDIX 52—*contd.*

B. L. 60-PR —*concld.*

Limber—concld.

Brackets, engine draught connector in splinter bar.

Curved surface of arc and pintle complete.

Front portion of coupling piece.

Coupling pins and chains

---

3 PARTS UNPAINTED TO BE CLEANED—EMERY PAPER MAY BE USED SPARINGLY, IF NECESSARY.

Q F. 13 AND 18-PR.

Gun and Carriage—

Handles.

Hand wheels.

Gun—

Exterior of muzzle up to ribs.

Rear vertical face of breech ring.

All *non-working* surfaces of breech fittings. (Polish with emery paper only when dismantled, and after, thoroughly clean with paraffin. On re-assembly, lubricate all working surfaces with Rangoon oil).

Carriage—

Brake Gear—

Bolts, connecting brake arms.

Lever, releasing nut.

Link, eccentric.

Screw, actuating

Lifting handles.

Carrier dial sight vertical holding portion only

Dust caps

Drag washers.

Brass stays holding leather cases.

Q. F. 4·5" HOWITZER.

Howitzer and Carriage—

Handles.

Hand wheels (brass portion).

Carriage—

Brake gear—

Lever releasing

Link eccentric.

Lever rod connecting eccentric link.

Lever actuating nut

Bolt connecting rod.

(Cover front and rear will not be painted.)

Quick loading gear levers.

Lifting handles.

Drag washers

Dust caps

Howitzer—

Breech ring from front of clinometer plane (*non-working* surface only)

All non-working surfaces of breech fittings. (Polish with emery cloth only when dismantled and after, thoroughly clean with paraffin. On re-assembly, lubricate all working surfaces with Rangoon oil)

Muzzle end as far back as the rear end of the front projection on the underside.

APPENDIX 52—*concld.*

LIMBERS AND WAGONS 13, 18-PR AND 4 5" HOWITZER

Poles, point

Guard irons

Dust caps

Drag washers

Q F 3 7" HOWITZER

Howitzer and Carriage—

Handles

Hand wheels (brass portion).

Staples

Howitzer—

Vertical rear face of breech end.

Front face of muzzle.

All *non-working* surfaces of breech fittings (Polish with emery paper only when dismantled, and after, thoroughly clean with paraffin On re-assembly, lubricate all working surfaces with Rangoon oil).

Carriage—

Linch pins.

Drag washers.

Lifting handles

B L 2·75".

Gun—

All *non-working* surfaces of breech mechanism and fittings (Polish with emery cloth only when dismantled, and after, thoroughly clean with paraffin On re assembly, lubricate all working surfaces with Rangoon oil).

Non-working surfaces of complete breech ring

Carriage—

Handles

Drag washers and linch pins

B. L 6" HOWITZER.

Howitzer—

All *non-working* surfaces of breech as assembled and breech fittings with the exception of surfaces copper plated (Polish with emery paper only when dismantled, and after, thoroughly clean with paraffin On re-assembly, lubricate all working surfaces with Rangoon oil).

Carriage—

Limber wheel, locking plates.

Washer drag, and caps dust.

Guards hand No. 42 right and left.

Caps dust and washers drag.

B. L. 60 PR. GUN.

Gun—

All *non-working* surfaces of breech as assembled and breech fittings with *the exception* of surfaces copper plated. (Polish with emery paper only when dismantled, and after, thoroughly clean with paraffin. On re-assembly, lubricate all working surfaces with Rangoon oil).

6 inches of muzzle.

Carriage—

Lifting handles of sight box and ends of supporting brackets, with pins and chains.

Lifting handles

Dust caps and drag washers and outside edge of pipe box

Sights.

Elevating and traversing handwheel

Limber.

Lifting handles on engine draught connector.

Dust caps, drag washers, and outside edge of pipe box

APPENDIX 53

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 53.

(Referred to in para. 32.)

List of stores which C. O. Os. may authorise units to purchase locally.

Section.	Item.
A-1	Bags, sheepskin.
C-2	Valves, bicycle, tubing.
D-1	Dundersticks.
"	Grass, panni.
F	Plates, stencil, zinc—Corps abbreviation
H-1	Bottles, glass stoppered.
	Camphor, refined.
	Chalk, prepared, red, white and blue
	Pipe-clay.
	Vaseline.
H-3	Spars, bridging, of sizes.
J	Bags, water, mussack.
K	Baskets, waste paper.
	Boards, knife.
	Clocks, spring dial, glasses, 15" and 12".
	Fans, hand.
	Frames, drying.
	Pulleys, wooden (for chicks).
(N. I. V.)	Props, bamboo.
	Rings, rubber, for gauge glasses, 5/8", 1", 7/16".
	Ropes (for chicks).
L	Braziers.
(N. I. V.)	Chatties.
	Gurrahs (jars, water, large or small).
(N. I. V.)	Lamps, barrack, I. P.—
	Glasses, case, hanging.
	" " door.
	" " side.
	Naunds.
	Stones, curry.
	" " rollers.
	" rub, scythe.
	Surahis.
N. I. V.	Pokers, officers.
"	Shovels, fire, officers.
"	[illegible]
"	[illegible]
O (N. I. V.)	[illegible]
W-1	[illegible]
Y	Lamps, reading, I. P., Mk. II—
	Glasses, front.
	" side.
	Pans, nest, pigeon.

APPENDIX 54

TO

Equipment Regulations (India), Part I, 1933

APPENDIX 54.

(Referred to in para. 8.)

Record of action taken on I. L. Cs., A. Is. (I.), I. A. Os., etc.

No. and date of I. L. C., etc.	Store affected.	Action necessary.	District orders notifying availability of stores.	Action taken (Indent No. and date, etc.).	Date stores received.	Date all action completed.

APPENDIX 55

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 55.

(Referred to in para. 295.)

Turnover and preservation of Mobilization stores.

Whenever mobilization stores are inspected, this book will be taken on the inspection, and any stores requiring treatment or turnover will be entered at once stating in Col 3 what is required, e g., turnover, repair, painting, dubbin, oiling, for that item

Item.	Number requiring treatment.	Treatment required, e g., turnover, painting, dubbin, etc.	Date of completion.	Initials of Officer I/C Mob. Stores.	Initials of D.A.D.O.S.

APPENDIX 56

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 56.

(Referred to in para. 37.)

Scale of hose pipes and connected equipment for washing platforms for mechanized units.

Station Stores.

Item No.	Articles.	Number or quantity.	Remarks.
	M. T. Supply.		
1	Hose pipe, 1-inch inside dia., armoured	1 per tap	In 36 feet lengths.
2	Grip, union tap, to fit 1-inch external dia., tap.	1 } per hose pipe.	
3	Hose director, 1-inch	1 }	

APPENDIX 57

TO

Equipment Regulations (India), Part I, 1933.

APPENDIX 57.

(Referred to in para. 40.)

Stores to be purchased and maintained by units from the Lines Contingent Allowance.

(i) Cavalry, Artillery (excluding centres) and signal units.

Units.	Stores.	Proportion.	Remarks.
British Cavalry Indian „ 13-pr. Battery Field Brigade Head quarters and Batteries, Mountain Brigade. Headquarters and Batteries, Medium Brigade. Headquarters and Batteries R. A. Survey Section Cavalry Brigade Signal Troop. Divisional Signals District Signals Corps Signals	*Section D-1.*		
	Leather	(a)	For repair of line gear.
	Sponges	1 per animal.	Peace and war.
	Section H-2.		
	Thread	(a)	For repair of line gear.
	Section J.		
	Bags, water mussack.	(a)	Peace and war.
	Cordage	(a)	For repair of line gear.
	Mallets or hammers for pegs.	(a)	Station Stores.
	Pegs, picketing (wood or iron).	(a)	Station Stores.
	Section K.		
	Baskets	(a)	
	Dusters	2 per animal.	Peace and war.
	Section L.		
	Brooms	(a)	
	Tubs, I. G.	(a)	
	Section W-1.		
	Beaters, earth	(a)	
	Rammers, earth	(a)	
	N. I. V.		
	Dunder sticks	1 per mule.	Pack Artillery only. Peace and war.
	Gunny	(a)	For repair of line gear.
	Machines, rope making.	(a)	

NOTES.—(i) In the case of articles marked (a), the proportion to be maintained and the source of supply is left to the discretion of the O. C. unit.
(ii) Articles which are included in the scale of war equipment will be maintained by the I. A. O. C. when units are on field service.

Appendix 57—*contd.*

(ii) Infantry and S. and M. units.

Units.	Stores	Proportion.	Remarks.
British Infantry . . ; Indian Infantry (Active) . ; Field Troop, S & M . ; Field Company, S. & M. ; Chitral Section, S & M. . ; Indian Infantry Training Battalions	*Section D-1.*		
	Leather . .	(a)	For repair of line gear.
	Sponges . .	1 per animal.	Peace and war.
	Section H-2		
	Thread . . .	(a)	For repair of line gear.
	Section J		
	Cordage. . .	(a)	For repair of line gear.
	Section K.		
	Baskets .	(a)	Station Stores
	Dusters . .	2 per animal.	Peace and war.
	Section L.		
	Brooms . .	(a)	Station Stores.
	Tubs, I G .	(a)	Station stores
	Section W-1.		
	Beaters, earth	(a)	Station stores.
	Rammers, earth .	(a)	Station stores
	N. I V.		
	Gunny . . .	(a)	For repair of line gear.

NOTE.—(i) In the case of items marked (*a*), the proportion to be maintained and the source of supply is left to the discretion of the O C unit

(ii) Articles which are included in the scale of war equipment will be maintained by the I A O C when units are on field service

Appendix 57—*concld.*

(ii) Miscellaneous units.

Units.	Stores.	Proportion.	Remarks.
	Section 2-A.		
	Bags, water, mussack	..	
	Section D-1.		
	Leather . .	..	For repair of line gear.
	Sponges . .	..	For repair of line gear.
	Thread . . .	..	For repair of line gear.
	Section J.		
Equitation School .	Cordage. . .	..	
Royal Artillery Training Centre	*Section K.*		
Mountain Artillery Training Centre.	Baskets . .	..	
	Dusters . .	..	
	Section L.		
	Brooms . .	..	
	Tubs, I. G. . .	..	
	Section W-1.		
	Beaters, earth .	..	
	Rammers, earth .	..	
	N. I. V.		
	Dunder sticks .	..	
	Gunny . . .	..	
	Machines, rope making	..	For repair of line gear.

NOTE.—The number of each article to be maintained and the source of supply is left to the discretion of the O. C. unit.

APPENDIX 58

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Equipment Regulations (India), Part I, 1933.

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